Margaret Jones

UNION UNIVERSITY *Bulletin*

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VOLUME LXIV April, 1966 No. 1

Bulletin of
UNION UNIVERSITY
JACKSON, TENNESSEE

One Hundred Forty-Second Year

FOREWORD

UNION'S PURPOSE is to train young men and women in an environment that makes for both high scholarship and Christian character. For more than one hundred years the college has been sending its graduates out to assume places of leadership in all fields of service.

Attendance at Union is a privilege, and this privilege may be forfeited by any student who does not conform to its traditions and regulations, or who is not willing to adjust himself to its environment.

FULLY ACCREDITED

by

SOUTHERN ASSOCIATION OF COLLEGES AND SECONDARY SCHOOLS
MEMBER AMERICAN COUNCIL ON EDUCATION
MEMBER ASSOCIATION AMERICAN COLLEGES
MEMBER AMERICAN ASSOCIATION COLLEGIATE REGISTRARS
AND ADMISSIONS OFFICERS
MEMBER AMERICAN ASSOCIATION OF COLLEGES FOR
TEACHER EDUCATION
and TENNESSEE COLLEGE ASSOCIATION

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CALENDAR

1966

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UNION UNIVERSITY CALENDAR — 1966-67

Summer Term, 1966

June 5, Sunday.....Residence Halls Open

June 6, Monday .....Registration, Summer Term

June 7, Tuesday.....Class Work Begins

June 8, Wednesday.....Last Day for Entering Classes

July 8, Friday.....First Term Summer School Closes

July 11, Monday.....Registration, Second Summer Term, Classes Begin

July 13, Wednesday .....Last Day for Entering Classes

August 12, Friday.....Summer School Closes

August 12, Friday.....Residence Halls Close*

First Semester, 1966-67

September 9, Friday .....Faculty Workshop

September 11, Sunday .....Residence Halls Open

September 12, 13, 14, Monday, Tuesday, Wednesday.....Registration

September 12, 13, Monday, Tuesday.....Counselling and Orientation for Freshmen

September 12, 13, Monday, Tuesday.....Registration of Upperclassmen

September 12, Monday.....Fraternity Rushing Begins

September 14, Wednesday.....Registration of Freshmen

September 15, Thursday.....Classes Begin

September 19, Monday.....Opening Convocation

September 22, Thursday.....President-Faculty Reception

September 22, 23, Thursday, Friday.....Last Day for Entering Tuesday, Thursday classes and Monday, Wednesday, Friday classes respectively.

*Students who are permitted to remain in residence halls for work other than school employment, or other emergencies will be charged $1.00 per day extra rent.

September 23, Friday.....Fraternity Rushing Ends

November 11, Friday.....Last day for dropping a course without penalty.

November 22, Tuesday,
5:00 P.M. .....Thanksgiving Holidays Begin

November 28, Monday, 8:00 A.M. .....Classes Resume

December 12, Monday.....Faculty Smorgasbord, Christmas Music Festival, Lighting of Christmas Tree

December 16, Friday, 5:00 P.M.....Christmas Holidays Begin

January 2, Monday, 8:00 A.M.....Classes Resume

January 18-24,
Wednesday through Tuesday.....Final Examinations

January 24, Tuesday, 5:00 P.M.....Residence Halls Close*

Second Semester, 1967

January 30, 31, Monday, Tuesday.....Registration
Late fee of $5.00 will be charged after January 31.

February 1, Wednesday.....Classes Begin

February 9, 10, Thursday, Friday.....Last Day for Entering Tuesday, Thursday classes and Monday, Wednesday, Friday classes respectively.

March 22, Wednesday, 5:00 P.M. .....Spring Holidays Begin

March 28, Tuesday, 8:00 A.M. .....Classes Resume

April 6, Thursday.....Last Day for dropping a course without penalty.

May 25-31, Thursday through Wednesday...Final Examinations

May 28, 29, Sunday, Monday.....Commencement Exercises

May 28, Sunday .....Baccalaureate Service

*Students who are permitted to remain in residence halls for work other than school employment, or other emergencies will be charged $1.00 per day extra rent.

May 29, Monday ..... Awards Day

May 29, Monday ..... Commencement Exercises

May 31, Wednesday ..... Residence Halls Close

Summer Term, 1967

June 4, Sunday ..... Residence Halls Open

June 5, Monday ..... Registration, Summer Term

June 6, Tuesday ..... Classes Begin

June 7, Wednesday ..... Last Day for Entering Classes

July 7, Friday ..... First Summer Term Closes

July 10, Monday ..... Registration, Second Summer Term

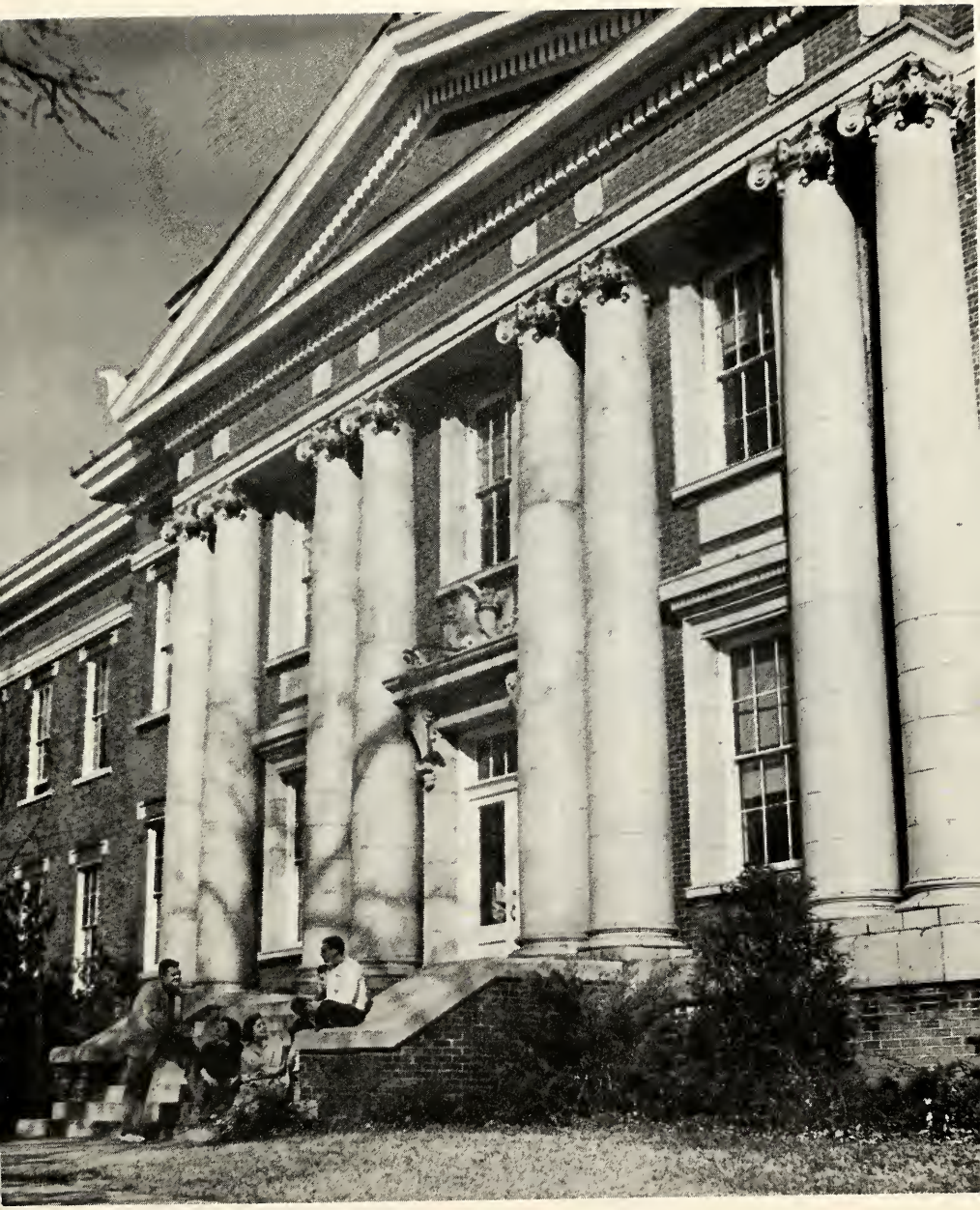
July 10, Monday ..... Second Summer Term Classes Begin

July 12, Wednesday ..... Last Day for Entering Classes

August 11, Friday ..... Summer School Closes

August 11, Friday ..... Residence Halls Close*

*See footnote page 6.



Barton Hall

Purchased in 1874 by the Baptists of Tennessee, and descended from earlier institutions dating back to 1825, Union University is proud of her heritage. For almost one hundred years, Union has been dedicated to the principles of Christian higher education.

We believe that such an education best prepares a student for a happy and useful life. We desire that your college years of directed growth should be purposeful and adequate. In a small college such as ours, we believe that you will be inspired to work at your fullest potential.

If this idea of education appeals to you, then this publication should interest you.

F. E. Wright, *President*

GENERAL INFORMATION

About Union University

The College and Its Resources

Admission

Financial Information

The true purpose of education is to cherish and unfold the seed of immortality already sown within us; to develop, to their fullest extent the capacities of every kind with which the God who made us has endowed us.

Anna Jameson

ABOUT UNION UNIVERSITY

Objectives

In keeping with its character and heritage throughout more than one hundred years, Union University continues to subscribe to the purposes of those who founded it and those who through the years have nurtured it. The ultimate objective is the full development of the total personality. Primary essentials to this end are the recognition that "The fear of God is the beginning of wisdom"; that in the lifelong, continuous process of education, the search for truth is an inherent quality; and that the proper relating of all truth to the Divine concept is the climactic achievement of the educated individual.

1. *Leadership:* Central in the purposes of Union University are high scholarship and Christian character preparatory to leadership in varied fields of service.
2. *Denominational Service:* The college acknowledges its dependence upon, and loyalty to the Baptist denomination and holds high the responsibility and privilege of developing in Baptist young people a deepening sense of denominational appreciation, a comprehensive vision of stewardship, and an academic and spiritual preparation for maximum service in the local church and in the Kingdom of God.
3. *Aesthetic, Health, Social:* The college is ever concerned with developing in young people an appreciation of the æsthetic and an awareness of the value of good health, both physical and mental. It is the sustained purpose of the institution to stimulate in students a consideration for the rights of others; a sense of poise, refinement, and culture that enable them to move with ease in the social group; a recognition of the dignity of work; and a deep regard for the sanctity of marriage and the home.
4. *The Liberal Arts Tradition:* Union University adheres academically to the liberal tradition on the thesis that it is concerned with qualities of mind, rather than just an arrangement of courses or the amassing of facts. Basic principles as found inherent in human conduct and activity serve as the motivation for seeking to teach young people to think; to guide them in the development of understanding; to direct them in the cultivation of insight; and to influence them in their actions in order that they may be fitted for living in, adjusting to, and becoming effective toward changes for betterment of the contemporary world.

THE COLLEGE AND ITS RESOURCES

Campus and Buildings

Value

THE FOLLOWING STATEMENT as to the value of the College property is taken from the auditor's report:

Buildings, Grounds, and Plant Equipment	$2,740,399.66
Endowment	737,528.35
Total	$3,477,928.01

The Tennessee Baptist Convention appropriates money each year to the college for current expenses. The amount received last year was approximately $163,000, which is the equivalent to the income from an additional endowment of approximately $3,250,000.00.

Grounds

The campus proper of the University, containing approximately ten acres, is located in the eastern part of the city within four blocks of the business district.

Buildings

Adams Hall—Adams Hall is a dormitory for men. On August 13, 1918, the front part of Adams Hall was destroyed by fire, but was rebuilt the following year. The building has been remodeled and rehabilitated.

Physics Building—This building was formerly occupied by the Art Department and is located on the south campus. It is used as a Physics classroom and laboratory.

BSU Center—This building is located on the east side of the campus at 344 North Hays.

New Dormitory—This dormitory for women is scheduled to be opened September 1966. It is to be an ultra-modern dorm of street-level floor and two additional stories. It is on the southwest portion of the campus between College and Lafayette Streets. This building is being constructed under a lease purchase plan. It will accommodate one hundred forty-six girls.

D. A. Ellis Hall for Men—By means of a bequest in the amount of $25,000 by the late Dr. D. A. Ellis and donations by many individuals and churches, this residence hall for one hundred twenty-six men has been made possible. It was completed early in 1962 and first occupied during the second semester of the school year 1961-62. It is a commodious, functional, modern building with up-to-date equipment and fully air conditioned.

Everette Lovelace Hall—This dormitory for women has been remodeled. It is a homelike, three-story building, sufficiently large to house forty-five people.

Joseph A. Crook Hall—This young women's home on the south campus was erected in memory of the late Dr. J. A. Crook, who was a member of the Board of Trustees for forty years. This three-story building has recently been renovated. It accommodates sixty-five occupants.

Warren F. Jones Hall—This dormitory for women was opened September, 1956, a modern and commodious building of street-level floor and three additional stories. It is located on the northeast corner of the main campus near the intersection of Lexington and Hays Avenues. The building was made possible by special gifts through the W.M.U. organizations of West Tennessee, individuals, and through the United Campaign for Schools which was conducted throughout the state of Tennessee in 1955. This building accommodates one hundred and fifteen girls.

Barton Hall—This is the Administration building and contains the administrative offices, classrooms and Powell chapel.

The Mary Sue Tigrett House—This building is of Dutch Colonial design, originally planned as a Home Management House for the Home Economics department. At present it is being used as a faculty residence.

Emma Waters Summar Library—A new library was opened in the fall of 1947. There are about 39,000 volumes, besides pamphlets, including the T. T. Eaton and William Bateman bequests. The reading room contains the leading magazines, religious periodicals, and daily papers. The Jackson Free Public Library is within four blocks of the University, on College Street, and our students have free access to it. The library is rapidly being enriched for greater usefulness.

The Athletic Field—During the session of 1937-38 Union deeded to the City of Jackson its football field, on condition that the city erect a stadium at a cost of $40,000, which is just across the street from Union's campus. There are seating accommodations for 5,000 people in concrete stands, and a modern cinder track circles the grounds. The field has been well graded, and is covered with a beautiful turf. It is available for Union University sports events.

Gymnasium—The gymnasium, constructed in 1955, is adjacent to the athletic field. The seating capacity is approximately 3,000. This building serves as the physical and health education center and accommodates classes in this department as well as indoor sports.

College Park—This is an area composed of ten acres about six blocks east of the college campus on College Street which was formerly used as

a practice field for football and as the regular field for baseball. Recently the Junior Chamber of Commerce assumed the sponsorship of the Babe Ruth Baseball League and requested the privilege of improving this area to be used as a baseball park for teen-agers. Union University co-operated by lending this field which is now a first-class baseball park known as College Park and is used by Union University.

Student Union—This multiple purpose building was completed in 1953. It accommodates cafeteria and a dining room for four hundred people, social and religious center, music department, student conference rooms, bookstore, postoffice, guest room, and faculty apartments.

Art and Science Building—The art and science building, located on the south campus, accommodates the departments of art, biology, and chemistry. A Biological museum has recently been re-established.

University Health Service

It is the aim of the University to help the students maintain the highest possible standards of health. To this end the college employs a college physician and a nurse and maintains a sound physical training program for all.

Students are required to bring from their family physicians health certificates on blanks provided by the college. Those who do not receive such blanks prior to registration will be given physical examinations by the college physician during the registration period.

Athletes must be approved by the college physician before being permitted to participate in major sports. Examinations are repeated during and at the close of the period of participation in said major sports.

Persons found to be disease carriers, or who otherwise constitute a health menace to the school are asked to withdraw from the university.

No fee is assessed other than the medical fee as stated under expenses. Special rooms for the sick are maintained in dormitories.

The health service covered by the medical fee includes the services of the nurse at all times, college physician at all times, access to three official visits to the campus per week by the physician, and individual calls in residence halls by the physician upon recommendation of the nurse or hostess. The fee does not cover X-ray, hospitalization, fractures, surgery, and similar services.

Student Insurance

Through the Tennessee Hospital Service Association (Blue Cross) individual students may subscribe for health and accident insurance on a group basis at the rate of $21.00 per person per year.

ADMISSION

General Requirements

Age. An applicant must be at least 16 years of age.

Character. An applicant must furnish satisfactory evidence of good moral character; and if transferring from another institution of higher learning, must present certificate of honorable dismissal.

Physical Examination. All students must take a general physical examination.

Scholastic Requirements

1. For regular admission to the Freshman Class a student must be a graduate of an accredited high school or preparatory school with 16 units with a grade average of C. At least thirteen units should be in the fields of English, foreign language, mathematics, history, and the social and natural sciences.
2. A graduate of an accredited high school who does not meet all of the specific requirements for regular admission may be admitted by the admissions committee provided he has an average of C on his high school transcript. His academic load shall be subject to supervision.
3. A mature student may be admitted on any state high school equivalency diploma by the Admissions Committee subject to academic supervision.
4. Admission upon any other basis will be governed by Standard Three, (p. 21) of Standards for Colleges, Southern Association of Colleges and Schools.

Preliminary Entrance Requirements for Freshmen

High school graduates applying for admission to Union must secure an entrance certificate from the Office of the Registrar.

Before this certificate can be granted the applicant must file the following information in the Office of the Registrar:

1. A transcript of his high school work.
2. A recommendation of the applicant from his principal, superintendent, or counselor.*
3. A medical record.
4. A letter of recommendation.
5. A copy of A.C.T. scores.

*Except in cases of refusal by members of Southern Association of High Schools.

Students Transferring from Another College

Before enrolling in Union University a student transferring from another college must:

1. Satisfy the scholastic regulations as demanded of freshmen entering Union, including A.C.T. scores.
2. Present transcript of credits from all other institutions of higher learning which he has attended.
3. Be eligible for re-admission to institution last attended.

Credits will be accepted from other recognized liberal arts colleges and universities if the work transferred is not too highly specialized and parallels satisfactorily the courses offered by Union. Credits for grades lower than C will be accepted, provided the average of the work transferred is C or above. In the event that the average of transferred work is lower than C, grades below C will be deleted accordingly.

Students transferring to Union University from another institution where they have an academic probationary status, will be placed on probation for one semester, if admitted.

Not more than 66 semester hours will be accepted from a junior college.

Excess quality points earned on work taken elsewhere will not be allowed to make up for a deficiency in quality points on work taken at Union University.

Correspondence and/or Extension

A maximum of eight semester hours of extension work and/or correspondence work will be accepted from other institutions.

Correspondence or extension credit will not satisfy the prescribed courses for graduation as stated in the catalog for the various degrees offered by the college.

Students may not enroll for residence credit and extension or correspondence credit simultaneously without the consent of the dean, division chairman, and department head involved.

Registration

See University calendar for registration dates.

A student may not receive credit for a course for which he is not properly registered.

A student may register for a maximum of 12 semester hours on a three day schedule.

Dormitory students must carry a minimum of 12 semester hours except upon advice of the college physician or by consent of the dean.

FINANCIAL INFORMATION

Expenses

THE REGULAR SCHOOL YEAR is composed of two semesters.

The registration of a student signifies an agreement by him and his parents to fulfill the related financial obligations to the end of the semester in which the student is registered. The University expects that every student will care for his or her account. Statements are not mailed to parents, except upon request. The University takes the position that it is a part of the education of the students to allow them to be responsible for handling their financial commitments.

Expenses Are Due and Payable As Follows:

Every semester's expenses are payable in advance. Each student must be prepared to pay all charges prior to or on the date of registration, unless the student, or the parent or guardian, has made financial arrangements for monthly payments with THE TUITION PLAN, INC., EDUCATION FUNDS, INC., or THE INSURED TUITION PAYMENT PLAN.

The above three plans are programs of private lending agencies which make the expenses of a college education payable in monthly installments. One, two, three and four year plans are available. Each plan provides for insurance on the amount borrowed so that any unpaid balance on a loan contract is canceled in the event of the parent's death prior to repayment. Complete information on a plan can be obtained by writing directly to any of the following:

1. THE TUITION PLAN, INC., 400 N. Michigan Ave., Chicago 11, Illinois.
2. Richard C. Knight Insurance Agency, Inc., INSURED TUITION PAYMENT PLAN, 38 Newbury Street, Boston 16, Massachusetts.
3. EDUCATION FUNDS, INC., 10 Dorrance Street, Providence, Rhode Island 02901.

In addition to these plans, loans which are insured by the state or federal governments may be available at your local bank. The University also participates in the National Defense Student Loan Program, explained later in this catalog.

Charges

Tuition: $18 per semester hour

Regular Fees:

General Fees (Per semester hour)	$ 2.50
Matriculation Fee (Per semester hour)	2.50
Student Activity Fee (Per semester)	25.00

Medical Fee: (Per semester)
Boarding Student 10.00
Day Student 5.00
Audit Fee (Per Semester Hr.)..... 5.00

Room Rent: ***(Each person per semester)

Men's Dormitories:
Ellis Hall $125.00
Adams Hall 100.00

Women's Dormitories:
New Dormitory 140.00
W. F. Jones Hall..... 125.00
Lovelace Hall 100.00
Crook Hall 100.00

***When a student accepts residence in a dormitory, it is assumed that he will reside there throughout the year, unless he withdraws from school or to commute from his home. Therefore a student who moves from a residence hall at mid-year will be required to pay 50% room rent penalty, unless he presents permission in writing from the Dean of Men or Dean of Women, to the business office. People who live alone at their own request must pay 50% additional room rent, except when assigned to single rooms.

Board:

Cafeteria Tickets:
Five-day per week plan $175.00
Seven-day per week plan..... 195.00

Special Fees:

Fine Arts

Regularly enrolled students will be charged the following fees in addition to the regular hourly tuition charge:

Private lessons—Organ, Voice, Piano, Other Instruments, All Music Subjects, Art and Drama (Special Coaching):
Two half-hour lessons per week.....$ 65.00
One half-hour lesson per week..... 30.00
Practice Rooms, one hour a day.....$ 9.00
Practice Room—Band Students:

1 hour per day:	Instrument Rental	2.50
	Practice Room Fee.....	6.50
	Locker Rental	.50
	Total	9.50
2 hours per day:	Instrument Rental	2.50
	Practice Room Fee.....	9.50
	Locker Rental	.50
	Total .....$	12.50
Additional hour a day.....		3.00

Students who are not regularly enrolled in the University will be charged a $5.00 matriculation fee and the private lesson fees as shown above.

Graduation Fees

Diploma $10.00
Cap and Gown (minimum fee)..... 4.00
Graduate Record Examination (seniors)..... 6.00
National Teacher Examination (seniors)—actual cost..... 11.00

CONDENSED TABLE OF EXPENSES — 1966-67

There are many variations in expenses due to varying needs and demands of individual students. The following CONDENSED STATEMENT OF EXPENSES is meant to provide as fair a guide as possible for the average situation.

A. DAY STUDENTS (non-boarding)	
1. Tuition (15 semester hours)	$270.00
2. General Fee	37.50
3. Matriculation Fee	37.50
4. Student Activity Fee (Athletics, Publications, Lyceum, Student Council and P. O. Box)	25.00
5. Medical Fee	5.00
6. Breakage Deposit—Science Courses—payable once and refundable*	10.00
TOTAL PER SEMESTER (excluding books)**	$385.00
TOTAL PER YEAR	$760.00
B. BOARDING STUDENTS	
1. Room Rent—minimum per semester	$100.00
2. Cafeteria Ticket (7-day plan) per semester*** (Sales Tax Extra) (Replacement of lost tickets $ .25)	195.00
3. Tuition, General Fee, Matriculation Fee, Student Activity Fee, Breakage Deposit (Same as for DAY STUDENTS)	380.00
4. Medical Fee	10.00
TOTAL PER SEMESTER (excluding books)**	$685.00
TOTAL PER YEAR	$1,360.00
ROOM RESERVATION FEE (Applied to account)	25.00

*All dormitory residents are required to make this deposit, whether or not they are enrolled for any Science courses.

**Books—Estimated cost per semester $45.00 (New Books).

***No individual meal ticket will be redeemed by the Business Office except in cases of withdrawal from school, or the equivalent.

Class Fees

By vote of the student body, at the suggestion of the student council, regular students will pay $1.00 per semester as class dues for individual class activities. Collections will be made through the business office and deposited in the names of the respective classes. All withdrawals must be approved jointly by the classes and the bursar.

Late Entrance Fees

A late entrance fee of $5.00 will be charged those not completing their enrollment through the Business Office by the date specified in the calendar.

Contingent Fees

Each student living on the campus and those enrolling in physics, biology, or chemistry, makes a contingent deposit of $10 to cover breakage or damage for which he may be held responsible. The whole or any unexpended part of the contingent deposit will be refunded when the student graduates or definitely withdraws from the University without graduating, provided the student has not previously left the University without permission. From time to time, as circumstances require, demand will be made for restoration of the contingent deposit to the original amount, in the event damage charges have reduced the deposit. This deposit covers laboratory breakage, key deposit, and any other miscellaneous items for which special payment may be due from the individual student.

Summer School

Charges for summer school are based on the same rate as per the regular school term. See pages 17-19.

Refunds

1. A. Matriculation fees are never refunded.
   B. An application fee of $25.00 must be made at time of application for admission. This amount is credited to tuition if student enrolls and attends. One half of this fee will be refunded if application is cancelled prior to August 1. The total amount is refunded if the student is not accepted for admission.
   C. A fee of $25.00 is charged for room reservation in residence halls. In case of cancellation of reservation the total amount is refunded if cancellation is made by May 1. Those cancelling between May 1 and August 1 will be refunded $12.50. None of the fee is refundable if cancellation is made after August 1.
2. If a student withdraws during the period of registration, he will be refunded all charges except matriculation and room reservation fees, and meals consumed.
3. A student withdrawing after the registration period, and up to the date for dropping without academic penalty, will be refunded tuition and room rent on a pro rata basis.
4. Only in cases of illness or its equivalent, will any refund be made after the date for dropping without penalty, with the exception of meals.
5. Students in refusing to conform to the disciplinary rules of the school forfeit all claims for refunds.

6. No refund will be made for reduction in number of credit hours after the date for dropping without penalty. Nov. 11 - Art. 6,

It will be observed that all of the above rules and regulations put the responsibility upon the student. He saves money and avoids misunderstanding by seeing the business manager or bursar immediately.

Equipment

All equipment such as musical instruments, athletic equipment, microscopes, etc., is charged in the business office direct to the respective departments. Each student will in turn be charged for any equipment issued to him. When it is returned in good condition, he will be given credit accordingly.

By order of the Board of Trustees no equipment is to leave the campus, unless in the care of the faculty member responsible for it.

FINANCIAL AID

Scholarships

All applications for scholarships and grants-in-aid must be processed through the chairman of Scholarship and Grants-in-Aid Committee.

J. J. Hurt Scholarship Fund

A scholarship fund established in 1945 by the late President Emeritus John Jeter Hurt and his sons is available to students who satisfy scholarship requirements to be set up by the donors.

The Clarence E. Pigford Memorial Scholarship

Mrs. Clarence E. Pigford has given to the University the sum of $5,000.00 to create a perpetual scholarship to be known as the Clarence E. Pigford Memorial Scholarship. The annual returns from this investment constitute a scholarship fund for students who satisfy the requirements set up by the donor.

Spight Fund

Through a bequest of the late W. R. Spight, noted alumnus of Union University, there has been established an endowment fund amounting at present to more than $175,000, the income from which is used to aid worthy ministerial students in accordance with the terms of Mr. Spight's will.

Addie McLean Scholarship, W. G. Guthrie Scholarship and Gene Carson Memorial Scholarship

These three scholarship funds are set up to provide assistance to worthy students who plan to pursue special full-time religious activities. Grants are made according to the discretion of college authorities.

H. E. Watters Memorial Scholarship

Mrs. Ethel R. Watters, alumna of Union University, has established a fund of $1,000 to be used as a scholarship trust fund in memory of her late husband, Dr. H. E. Watters, who served as president of Union University for a period of thirteen years. The income from this fund will be used to aid students who have volunteered for Christian service and who can qualify as to need, scholarship, and personal character.

Frank L. Wells Memorial Scholarship

The Frank L. Wells scholarship fund was established in 1961 by Mrs. Frank L. Wells and Mrs. B. Rucker Hays, the former Mary Eleanor Wells,

in memory of their husband and father, the late Dr. Frank L. Wells, former Professor and Head of the Department of Education and Psychology at Union for more than a quarter of a century. The income from this scholarship fund, amounting to $1,000.00 principal amount, is to be used to assist Christian students who are teachers or who are preparing to teach; who need financial assistance; and whose applications have been approved by the President.

Competitive Academic Scholarships

Union University conducts competitive examinations for high school seniors throughout West Tennessee in the fields of general ability, reading, and English, and offers to twenty people who can qualify, scholarships amounting to $1,000.00 each for the four years of college work. These scholarships are divided into grants of $250.00 for each year on condition that an academic standing of 2.0 is maintained. Students wishing to take the competitive scholarship exams should take the ACT on its first administration date. This is usually in November.

Students who have completed two years' work at Union University and have attained an academic average of 2.5 or above are eligible to be awarded a competitive academic scholarship of $250.00 per year for the remaining years in Union upon maintenance of a 2.0 standing. A junior college graduate upon completion of one year in Union University with an academic standing of 2.5 or above will be eligible for this academic scholarship, and must meet the same requirements. Applications must be made in writing to the scholarship chairman.

Honor Graduate Scholarships

First and second honor graduates of high schools are awarded scholarships of $900.00 and $800.00 respectively distributed as follows:

First honor: $200.00 per year for the first two years and $250.00 per year for the remaining two years.

Second honor: $175.00 per year for the first two years and $225.00 per year for the remaining two years.

An academic standing of 2.0 must be maintained.

Students qualifying for this scholarship must make application and submit written verification from high school principal.

No student may receive both the competitive and the honor graduate scholarships.

Music Scholarships

A limited number of music scholarships are granted to students to pay half or all the fees for private music study. Such scholarships are granted

after proper application to the music department and after audition on a specified date.

The Mary Northington Scholarship

In March, 1954, the Woman's Missionary Union of Tennessee established a scholarship fund in honor of Miss Mary Northington to be presented by a W.M.U. college scholarship committee to a young woman. The scholarship, in the amount of $400.00, is awarded according to qualifications outlined by the Woman's Missionary Union.

Sally Person Pigford Music Scholarship

This scholarship is given personally by Mrs. Pigford to an individual selected jointly by her and college authorities. It provides for two private lessons per week throughout the school year to a person who possesses unusual talent in any of the following areas: voice, organ, piano, band instruments.

Exchange Club Scholarship

The local Exchange Club offers a tuition scholarship each year to a local boy who possesses outstanding qualifications as a student and as a citizen. He is given the privilege of choosing either of the local colleges. Exchange scholarship students have been on the Union campus for a number of consecutive years. This scholarship is continued on the basis of satisfactory academic standing.

Judson M. Bemis Scholarship

In 1953 the Bemis Brothers Bag Company established a tuition scholarship for a graduating senior of the South Side High School whose academic and personal qualifications are satisfactory. The scholarship is renewable in full for one year on the condition of satisfactory academic standing. Union University cooperates by awarding a one-half tuition scholarship for the junior and senior years under similar conditions.

Alma Greer Scholarship Trust Fund

In August, 1956, Mr. Stanley Greer of Paris, Tennessee, deposited a sum of money with the Tennessee Baptist Foundation as a scholarship fund in memory of the late Mrs. Greer. The income from this fund is designated for scholarships for worthy students of high character and intelligence who have financial needs. Such students are selected by the college authorities.

Aram Philibosian Music Scholarship

A full, applied music scholarship for one year for a qualified, gifted, brass instrumental major—instrument to be specified and approved

annually by instrumental department. Audition will be required and selection will be based on academic scholarship, musical talent, interest, and recommendations by former teachers. Renewable annually.

Mathematics Scholarship

Union University offers a scholarship of $400 to winners in Regional and State-wide competition in Comprehensive Mathematics Examinations, as follows:

(a) $100 to freshmen who are eligible for admission to Union University, who are among the top ten finalists in the state-wide comprehensive examinations, or who are first, second or third place winners in the comprehensive regional examinations.

(b) Renewable for $100 in the sophomore year upon continued pursuit of mathematics and satisfactory performance in all subjects.

(c) Renewable for $100 each in the junior and senior years upon the selection of mathematics as a minor or a major subject field, and upon satisfactory performance in all subjects.

Official certificate, signed by the proper authorities, must be presented.

Science Fair Scholarship

Scholarships in the amount of $150.00 each will be given to students entering Union University who have been judged first place winners in Science Fairs held in Jackson, Tennessee and Shelby County. These scholarships are continued on condition that an academic standing of 2.0 is maintained.

The Algee-Auston Scholarship Fund

The Algee-Auston Scholarship Fund of three hundred dollars, given annually, was established in 1957 by Mr. and Mrs. Shelton Auston of Ridgely, Tennessee, in memory of their parents, Mr. and Mrs. W. R. Algee and Mr. and Mrs. W. T. Auston. This scholarship is for the purpose of assisting two outstanding students from the Sophomore, the Junior or the Senior class, one hundred fifty dollars each to a boy and a girl. Recommendations from the donors have preference.

Associates Capital Corporation Education Fund

An annual award of $250.00 is given by Associates Capital Corporation, Nashville, Tennessee, to a deserving male student in the College of Business Administration or Liberal Arts. Selection of the recipient of this award is by the scholarship board.

The Madison-Chester Association W. M. U. Scholarship

The Woman's Missionary Society of Madison-Chester Association contributes a fund annually as a scholarship for students of good academic standing who are particularly interested in some form of religious service. Recipients are to be selected jointly by the Union Scholarship Committee and the officers of the Woman's Missionary Society.

Preston Ramsey Scholarship Fund

This fund was created in memory of the late Dr. Preston L. Ramsey, alumnus and former trustee of Union University, who served churches in West Tennessee and Kentucky throughout his many years of ministry. The fund was provided by Mrs. Ramsey and friends of the family.

Class of 1962 Scholarship Fund

This fund was donated to the college by the graduating class of 1962, to be used for providing an award annually to the graduating senior who had attended Union University four years and who had attained the highest scholastic average.

The DeLay Missionary Scholarship

A fund in the amount of $500.00 is provided by Mr. and Mrs. Fred DeLay of Nashville, who for several years were associated with Union University. The money is to be used as scholarships for young women who have surrendered to the call for service as missionaries. The considerations to be at the discretion of the Scholarship Committee and the President of the college.

Loan Funds

Walter Gray Fund

In August, 1918, Mrs. Sallie Patrick established a student loan fund in memory of her deceased son, Walter Gray. Subsequently, additional gifts have increased the fund to $2,000.00.

Betty Sevier White Memorial Fund

The Betty Sevier White Memorial Fund was established in January, 1919, by her husband, Mr. Henry White, and son, Henry White, Jr., of Jackson, Tennessee. The establishment of this fund is a worthy tribute to one who had been active in her church life and shared a great interest in young people.

Lanier Fund

In September, 1920, Mr. W. J. Lanier established a fund of $1,500.00 in memory of his father and mother, Mr. and Mrs. J. P. Lanier, and his

daughter, Rubie Marie. The fund, to which additions have been made, is used to assist worthy students.

W. H. Nichols Fund

In April, 1921, Mr. W. H. Nichols established a fund to be loaned to young ladies studying for missionary work.

L. J. Brooks Fund

In May, 1921, Dr. L. J. Brooks, an alumnus of West Tennessee College (now Union University), established a fund of $1,060.00 in grateful recognition of his interest in his Alma Mater and in young people who need assistance in obtaining a college education.

Ministerial Loan Fund

A fund is provided by the Baptist State Executive Board to be loaned to young ministers.

Class of 1922-23

The Class of 1922 established a fund of $1,000.00 as a class memorial. The Class of 1923 added $570.00 to this amount to be used for scholarship purposes for worthy students.

Senior Class Fund

Established by the graduating class of 1959-60, this fund is for the purpose of assisting worthy seniors who qualify according to the general regulations governing loan funds.

H. C. Sanders Fund

Because of his deep interest in Christian Education, Dr. H. C. Sanders set up a loan fund for worthy young men and women, which now amounts to $1,392.00.

The Crump Fund

Mrs. W. O. Crump, being impressed with the possibilities of loan funds for rendering great service to worthy young people, established a fund of $200.

Mrs. Alice Sturgis Auston Loan Fund

This fund was given to the college by Miss Lara Kendall in memory of her mother, Mrs. Alice Sturgis Auston, to be used to aid young women in securing a Christian education.

Hall-Moody—I. N. Penick Loan Fund

The trustees of Hall-Moody Junior College have transferred to Union University the loan funds of that college, amounting to more than $3,500,

this fund to bear the name indicated. This fund is represented at present almost entirely by notes of students to whom it has been loaned. It will become available for students in Union as the notes are paid.

The Henry M. and Lena Myer Kahn Loan Fund

The Henry M. and Lena Myer Kahn loan fund of $1,000 was established in September, 1952, through the interest of Mr. Abe Waldauer, attorney of Memphis, who is a trustee of the Kahn estate.

Jarman Loan Fund

In affectionate memory of Reverend and Mrs. L. B. Jarman and because of their interest in missionary students, Mr. Lawson Hughes established a student loan fund of $500 in 1952 to be known as The Jarman Loan Fund.

Samuel Williams Meek Loan Fund

In memory of Samuel Williams Meek, a loan for worthy students was established by his son Samuel W. Meek.

Norris Gilliam Loan Fund

The Norris Gilliam Loan Fund was established in 1957 by Mrs. Mary B. Gilliam and her sons, Norris, Jr., and Bobby Joe, in memory of their late husband and father, Norris Gilliam, alumnus and former member of the Board of Trustees of Union University. The fund is used for male students who have dedicated their lives to full time Christian service. Many friends have added contributions to this fund.

J. Earl Seaton Loan Fund

In April, 1956, Mrs. Earl Seaton established a Student Loan Fund in memory of her husband, J. Earl Seaton. Additions to this fund have been made. The fund will be used to assist worthy students.

Pilot Club of Jackson Nurses Loan Fund

This fund was created by the local Pilot Club, International, a classified woman's civic club, for the purpose of assisting young women who are pursuing the nursing program, with stipulations as follows: (1) that the loan be made available to second-year students in the program; (2) maximum of $200.00 to any one student; (3) the loan to be repaid following graduation and bearing 3% interest from that date; (4) only students whose homes are in the Jackson-Madison County area will be eligible.

The Claudia Proctor Memorial Loan Fund

This fund was created by Mr. and Mrs. Ira Proctor of Collierville, Tennessee, in memory of their deceased daughter, Claudia, whose high purpose had been to attend Union University. It is to be awarded primarily to 4-H boys and girls and secondarily to anyone in need. It is further stipulated that if a branch of Union should be established in Memphis or Shelby County, the fund is to be transferred to that unit.

Mae Lyon Memorial Loan Fund

This fund was created by Miss Mae Lyon in memory of her deceased sister, Mrs. Murdock. It is to be used for assisting worthy young women whose academic records are creditable and who have financial needs.

Altrusa Nursing Scholarship Fund

This scholarship is awarded each year to a nursing student selected on the basis of character, aptitude, and scholarship.

Consolidated West Tennessee Medical Assistants Loan Fund

This is for nurses only, who are in their second year. It is restricted to residents of West Tennessee. There is a $500.00 limit per student per school year.

Medical Staff of Jackson-Madison County General Hospital Nursing Loan Fund

This loan fund is made available by the Medical Staff of the Jackson-Madison County General Hospital, Jackson, Tennessee, and at the request of the Medical Staff, Union University administers the loan. Loans from this fund are available only to nursing students in their second year. The maximum loan to any one student shall not exceed five hundred dollars ($500.00). Interest on the loan shall begin on the date of graduation at the rate of three percent (3%) per annum. Repayment of the loan may extend over a period not to exceed two (2) years from date of graduation. The first payment will be due within ninety (90) days after date of graduation. A student receiving a loan from this fund must be willing to sign the specified agreement.

The Geneva Stone Forrester Loan Fund

The Geneva Stone Forrester Loan Fund was contributed by her daughter, Mrs. B. J. Williams, her son, Eugene S. Forrester, and friends for the purpose of assisting worthy girls who are preparing for the profession of nursing and who have need of financial assistance.

Gurley-Chrysler Loan Fund

This loan fund was established by Mr. A. E. Gurley, Class of 1927, and Chrysler Corporation with matching funds. It is a loan fund for science majors. Decision as to qualifying and deserving students should be made by the heads of the science departments. Basis is character of individual student and scholarship.

Other Funds

The following loan funds have been established in the names of the donors to be awarded to worthy students according to the discretion of the authorities of the college: Alexander Loan Fund, The Burnley Loan Fund, Savage Memorial Loan Fund, and the Roy McCollum Loan Fund.

Certain Sunday school classes in the First Baptist Church, Jackson, the Men's Sunday school class of the First Baptist Church, Clarksville, the West Jackson Baptist Church, and the W.M.U. of the Central Association have given funds which have made it possible for several students to remain in school. The late Miss Mabel Edenton established a fund of several hundred dollars. The Alma Fulghum Appleton Loan Fund for teachers was established by H. B. Appleton.

A number of churches have provided scholarship funds, some of which are restricted for students from their respective congregations and others are unrestricted.

Still other funds established by individuals and organizations are: Cox, Ministerial, Crook, Chi Omega, Guy C. Hall, Metz, Missionary Girls, Hattie Mackey, R. K. Bennett, Crockett Loan Fund for Girls, the Lydia Circle Loan Fund, and other friends whose names were withheld by request.

Regulations Governing Loans

The above funds, except those designated otherwise, are loaned under the following regulations: First, funds are available to students who have demonstrated their real worth in college. Class records and deportment in general are considered. Second, six percent interest is charged. Third, at present, due to the limited amount at our disposal, we must limit the amount loaned to any student to two or three hundred dollars a year, depending on need. Fourth, students who do not have insurance protection or property must offer approved security. Fifth, the signature of parent or guardian is requested for students under twenty-one years of age.

National Defense Student Loan Program

A student is eligible for this loan if he is enrolled for a minimum of eight hours.

Special consideration will be given to students with a superior academic background.

All loans must be approved by the Financial Aid Committee.

Student Employment

THE COLLEGE and community offer opportunities for part-time employment to more than one-third of the student body. Individual earnings range from a few dollars to a few hundred dollars, according to the kind of work done. The dean of students assigns workships on the college campus.

DIVISIONAL ORGANIZATION OF CURRICULUM

The various academic departments of Union University are grouped into four major divisions primarily for administrative and organizational purposes. The respective divisions include the subject fields which are interrelated and have common elements or characteristics either in content or in the nature of the learning processes involved. As a result of such organization rigid barriers have been reduced and a natural provision acquired for the interrelation of instructional procedures and for professional development.

Students are required to pursue certain prescribed courses in each division in order to attain the Bachelor's degree. Beyond these requirements they may choose from the various subject fields for majors and minors and electives.

The instructors in each division are organized as a unit for the purpose of coordinating the work of the division under the leadership of the divisional chairman.

I. DIVISION OF FINE ARTS

JOHN HUGHES, *Chairman*

Art	Music
Dramatic Art	Speech

II. DIVISION OF HUMANITIES

CHARLES D. TAYLOR, *Chairman*

English	Philosophy
Languages	Religion

III. DIVISION OF NATURAL SCIENCE

RALPH DONNELL, *Chairman*

Biology	Nursing
Chemistry	Physics
Mathematics	

IV. DIVISION OF SOCIAL SCIENCE

RICHARD HIRAM WARD, *Chairman*

Business Administration	Health and Physical Education
Business Education	History
Economics	Home Economics
Education	Political Science
Geography	Psychology
	Sociology

DIVISION OF FINE ARTS

The Division of Fine Arts has as its major objectives the following:

1. To aid in unifying and co-ordinating the work being offered in the various areas of the fine arts.
2. Through concentrated effort to promote greater interest in the arts.
3. Through combined efforts to offer greater impetus to the activities sponsored by a single area within the division.

Art	Music
Dramatic Art	Speech

MUSIC

THE COLLEGE recognizes that a complete curriculum in the liberal arts college should include a department of music in which a student may obtain a Bachelor of Music degree, a major or a minor in music under a Bachelor of Arts degree, or in which a student may take private lessons in applied music either with or without credit.

The aim of this department is to develop a high standard of musicianship, to equip the student with the musical skills necessary for him to be a professional and vocational leader, and to provide for the student cultural experiences in music. More directly, the department aims at preparing public school music teachers with state certification in the fields of vocal instruction as well as instrumental (band) instruction, and at training church musicians.

General Regulations for Students in the Department of Music

1. All Bachelor of Music degree candidates will be required to take band or chorus each semester of resident work, and may be permitted to take both simultaneously for credit. Only 8 semester hours of credit in ensembles will be counted toward graduation.

2. Bachelor of Music degree candidates will appear in recital at least once the first year of study, twice the second, third, and fourth, and will present a half recital the junior year and a full recital the senior year. Bachelor of Arts majors and minors will appear in recital once the first year and twice each succeeding year of study. Bachelor of Arts majors will also present a half recital by the end of the senior year. Bachelor of Arts minors will also present one group of compositions in public recital by the end of the senior year. Students concentrating in the percussion area of the music education, instrumental supervisor, major of Bachelor-of-Music degree will present a half recital at the close of their second year of percussion and will appear in recital at least once each semester of the other two years of applied study.

3. All Bachelor of Music degree candidates with a major other than piano or organ and Bachelor of Arts degree candidates with a major in music literature and whose area of applied concentration is a field other than piano or organ must take class or private piano, until they show a proficiency in piano in accordance with requirements available in the music office.

4. The amount of practice to be required will be stated by the applied teacher, the minimum to be one hour per day for students taking one hour of credit in applied music and two hours per day for students taking more than one hour of credit.

5. Upon entering Union University, each music student will be examined as to his ability to engage in the study of music on the college level or to continue in the study of music if a transfer student from another institution.

6. Private music lessons will be made up at the convenience of the instructor if notification of illness or any reasonable cause is made prior to lesson period. Cuts will not be made up.

7. No private lessons will be given during semester examinations. Time will be used for private study examinations.

8. Music students must secure approval from their applied professor for appearance in public performance.

9. Bachelor of Music Degree students will automatically have a minor in theory.

10. Music 217 will be required of all Bachelor of Arts majors and minors and Bachelor of Music degree candidates as one of the two Fine Arts courses in the core curriculum.

11. Applied music credit will be granted as follows:

(1) Bachelor of Music Degree: three hours' credit per semester up to the senior year. Four hours credit per semester for the senior year.

(2) Bachelor of Arts Degree: Two hours credit per semester up to the senior year. Three hours credit per semester for the senior year.

(3) Music Education Major and Sacred Music Major under the Bachelor of Music Degree: Two hours' credit per semester up to the senior year. Three hours' credit per semester for the senior year.

(4) Students wishing to take only one half hour lesson per week in applied music may receive one hour credit per semester.

12. Applied music credit for summer school (granted *only* for study through both terms of summer school) will be granted as follows:

(1) Bachelor of Music Degree: Three hours' credit for four ½ hour lessons per week up to the senior level. Four hours' credit for senior level.

(2) Bachelor of Arts Degree: Two hours' credit for three ½ hour lessons per week up to the senior level. Three hours' credit for senior level.

(3) Music Education and Sacred Music Major under the Bachelor of Music Degree: Same amount of credit and lesson time as for the Bachelor of Arts Degree.

(4) Students wishing to receive only one hour's credit will take two ½ hour lessons per week through both summer terms.

13. The amount of applied music credit under the Bachelor of Music degree applied major will consist of twenty-six hours in the specific applied area. Exceptions to this amount of credit in the major due to changes of curriculum or other reasons must be approved by the head of the Music Department and Registrar.

14. For Bachelor of Arts music literature majors and minors, as for all Bachelor of Music degree candidates, one hour of instruction per week in applied music must be taken.

15. Credit in applied music under the Bachelor of Arts music literature major or minor will be two hours per semester.

16. Bachelor of Arts music literature majors and minors must start meeting ensemble, recital, class piano requirements coincidental with their applied music study.

DEPARTMENTAL MAJOR REQUIREMENTS

In addition to the basic core curriculum requirements for the Bachelor of Music degree, the following courses must be taken:

INSTRUMENTAL MAJOR
PIANO OR ORGAN

Music 111-2, 211-2—Harmony
Music 113-4—Sight Singing
Music 181-482 inclusive; 153-454 inclusive; 155-456 inclusive; 191-492 inclusive—Ensemble (any 2 years)
Music 213-4—Advanced Sight Singing and Ear Training
Music 311—Conducting
Music 331-2—Orchestration
Music 315-6—Music History
Music 317-8—Form and Analysis
Music 411-2—Counterpoint
Music 413-4—Composition
Music 415-6—Pedagogy and Literature
Applied Music—equivalent of four years in major field

VOICE MAJOR

Music 111-2, 211-2—Harmony
Music 113-4—Sight Singing
Music 147-448 inclusive—Ensemble (any 1 year)
Music 320-1, 420-1—Opera Workshop (either year)
Music 213-4—Advanced Sight Singing and Ear Training

Music 218—Singers' Diction
Music 311—Conducting
Music 315-6—Music History
Music 317-8—Form and Analysis
Music 411-2—Counterpoint
Music 415-6—Pedagogy and Literature
Applied Music—equivalent of four years in major field (voice)

MUSIC EDUCATION, VOCAL SUPERVISOR

Music 111-2, 211-2—Harmony
Music 113-4—Sight Singing
Music 213-4—Advanced Sight Singing and Ear Training
Music 218—Singers Diction
Music 147-448 inclusive—Ensemble (any 1 year)
Music 320-1, 420-1—Opera Workshop (either year)
Music 311—Conducting
Music 315-6—Music History
Music 317—Form and Analysis
Music 411—Counterpoint
Education 424—High School Music Methods
Music 457—Public School Music
Music 415-6—Pedagogy and Literature
Applied Music—equivalent of four years in major field (voice)

MUSIC EDUCATION, INSTRUMENTAL SUPERVISOR

Music 111-2, 211-2—Harmony
Music 113-4—Sight Singing
Music 213-4—Advanced Sight Singing and Ear Training
*Music 237—String Methods
*Music 238—Woodwind Methods
*Music 239—Brass Methods
Music 181-482 inclusive; 153-454 inclusive; 155-456 inclusive; 191-492 inclusive—Ensemble (any 2 years)
Music 311—Conducting
Music 331—Orchestration
Music 315-6—Music History
Music 317—Form and Analysis
Music 411—Counterpoint
**Music 415-6—Pedagogy and Literature

*Required of non-keyboard instrumentalists.
**Required of keyboard instrumentalists.

Music 457—Public School Music
Education 424—High School Music Methods
Applied Music—equivalent of four years in major instrumental field
(Students concentrating in the percussion area of the music education, instrumental supervisor, major of Bachelor-of-Music degree will take two years of applied music in the percussion field and one year each in one instrument in the brass and woodwind fields.)

SACRED MUSIC MAJOR

Music 111-2—Harmony
Music 113-4—Sight Singing and Dictation
****Music 141-2—Class Voice
***Music 147-448 inclusive, if voice major—Ensemble (any one year)
****Music 181-492 inclusive, if piano or organ major—Ensemble (any one year)
Music 211-2—Harmony
Music 213-4—Sight Singing and Dictation
****Music 215—Service Playing
***Music 218—Singers' Diction
Music 311—Conducting
Music 313—Orchestration
Music 315-6—Music History
Music 322—Choir Workshop
Music 323—Hymnology
Music 324—Choral Procedures
Music 335—Choral Literature
Music 411-2—Counterpoint
Music 413—Composition
Music 415-6—Pedagogy and Literature
****Music 415—Pedagogy and Literature (voice)
Applied Music—equivalent of four years in major field

***Required of those with applied area of voice.
****Required of those in applied area other than voice.

In addition to the basic core curriculum requirements for the Bachelor of Arts degree, students desiring a music literature major or minor under this degree must take the following courses:

I. Major in Music Literature—29 hours
   A. Applied Music ..... 12 hours
      (Eight hours must be completed during last two years of residence)
   B. Music 315-6—Music History ..... 6 hours
   C. Music 111-2—Harmony ..... 6 hours

D. Music 415-6—Pedagogy and Literature ..... 4 hours

E. Music 218—Singers Diction ..... 1 hour
(Voice Concentration)

II. Minor in Music Literature—23 hours

A. Applied Music ..... 8 hours
(Must be completed in consecutive semesters exclusive of summer term.)

B. Music 315-6—Music History ..... 6 hours

C. Music 111-2—Harmony ..... 6 hours

D. Music 415—Pedagogy and Literature ..... 2 hours

E. Music 218—Singers Diction ..... 1 hour
(Voice Concentration)

THEORETICAL COURSES

115. Elementary Theory of Music. A course designed particularly for the layman, ministerial students and public school teachers. Stresses fundamentals and essentials of music notation and terminology. No credit given to music majors. Meets twice weekly for one semester. Two hours' credit.

111-2. Elementary Harmony. Intensive drill in formation of scales, intervals, and triads. Principles of chord progressions, cadences. The dominant seventh chord and its simple resolution. Assigned melodies, basses, and original work. Simplest modulations. Approximately one third of time will be spent in keyboard harmony. Sight-singing proficiency to level of Music 114 prerequisite for students with poor musical background. No credit allowed toward graduation for less than two semesters. Meets three times per week for two semesters. Three hours' credit per semester.

113-4. Sight Singing and Dictation I. Recognition and writing of intervals. Drill in simple rhythms. Practical sight singing in one or more parts. Prerequisite: proficiency to level of Music 115. Meets twice weekly per semester. Two hours' credit per semester.

211-2. Advanced Harmony. Inversions of the dominant seventh chord, regular and irregular resolutions. The diminished seventh chord, secondary seventh chords, dominant ninth chords. Simple ornamentation. Assigned melodies, basses, and original work. Further drill in modulation. Approximately one third of time will be spent in keyboard harmony. Prerequisites: Music 111-2 and proficiency to level of Music 214. No credit allowed toward graduation for less than two semesters. Meets three times weekly. Three hours' credit per semester.

213-4. Sight Singing and Dictation II. Continuation of Music 113-4. Emphasis on rhythmic, melodic, and harmonic dictation and polyphonic singing. Prerequisite: Music 113-4 or sight singing proficiency. Meets twice weekly. Two hours' credit per semester.

215. Service Playing. A course designed to assist in building of a worship service; hymn, anthem, and solo accompanying; modulation. Meets one hour weekly for one semester. One hour's credit.

216. Music Appreciation (for non-music majors). A course dealing with the development of music from the pre-Bach age to the modern period. Opportunity is provided for the student to listen to recordings illustrative of the various periods. Meets twice weekly for one semester. Two hours' credit.

217. Music Appreciation (for music majors). A course designed for music majors on a higher level of advancement than Music 216. Deals at length with symphonic, operatic, chamber music, and solo literature. Instruction in more discerning listening and in criteria for judgement of quality in musical composition. Meets twice weekly for one semester. Two hours' credit.

218. Singers Diction. A course in the pronunciation of Italian, French, German, Spanish, Portuguese, and ecclesiastical Latin. Required of voice majors. Meets one hour per week for one semester. One hour's credit.

237. String Methods. A class of string instruments is conducted as an introduction to the teaching of stringed instruments. Meets one hour per week for one semester. One hour credit.

238. Woodwind Methods. A class in woodwind instruments is conducted as an introduction to the teaching of woodwind instruments and as a demonstration of class teaching of these instruments. One hour lecture and one hour laboratory per week for one semester. One hour's credit.

239. Brass and Percussion Methods. A class of brass and percussion instruments is conducted as an introduction to the teaching of these instruments, and as a demonstration of class teaching of them. One hour lecture and one hour laboratory per week for one semester. One hour's credit.

311. Conducting. A study of the history and evolution of the art of conducting musical groups; the use and applied technique of the baton; problems of vocal and instrumental conductors; essential qualifications of a successful conductor; choral and instru-

mental score reading. Two hours lecture, two hours laboratory per week for one semester. Two hours' credit.

313-4. Sight Singing and Dictation III. Continuation of Music 213-4. Increasingly difficult tonal and rhythmic combinations; study of clefs; change of clefs; transposition and score reading. Melodic, rhythmic, and harmonic dictation. Music major elective. Meets twice weekly. Two hours' credit per semester.

315-6. History of Music. Music from ancient and medieval times to the present day, showing contributions to our present musical culture. The development of the opera, orchestra, instrumental music, etc. Contemporary trends. Observation and performance of typical compositions of representative composers, including little known early works. Collateral reading and reports. Prerequisite: Music 115 or consent of instructor. Meets three times per week for two semesters. Three hours' credit per semester

317-8. Form and Analysis. Nomenclature. Consideration of musical form in music from ancient and medieval periods, through the polyphonic and nineteenth century periods, to the present day. Prerequisites: Music 211-2. Meets twice weekly for two semesters. Two hours' credit per semester.

320-1, 420-1. Opera Workshop. Lectures and discussions covering standard operatic literature. Workshop sessions devoted to actual rehearsal and performance of scenes and arias from selected operas of any period. Solo selections and performances graded according to those in each section of the class. Prerequisite: Music 144. Meets twice weekly for four semesters. Two hours' credit per semester.

322. Choir Workshop. A class in methods and materials for graded choirs. Course includes supervised directing of various age groups and observance of various age groups. Prerequisite: Music 311. Meets twice weekly for one semester. Two hour's credit.

323. Hymnology. Analysis and appreciation of the great hymns of the church. A study of their sources, development, and use in services of today. Meets three times per week for one semester. Three hours' credit.

324. Choral Procedures. A course dealing with methods and techniques of choral training with special emphasis on the graded choir program in the church. Included is a survey of appropriate music literature for such a program. Part of the course is devoted to a practice-directing project in which the student will work with

choirs of all age-levels in co-operating local churches. Meets twice a week plus a laboratory session of one and a half hours each week for one semester. Three hours' credit.

331-2. Orchestration. A study of the individual characteristics of the various instruments of the modern orchestra. The arrangement for orchestra and band of original or standard compositions and arrangements for ensemble groups. Preparation of orchestral, band, and ensemble scores. Calligraphy; music copy and layout; reproduction processes; copyright law. Prerequisite: Music 211-2. Meets twice weekly for two semesters. Two hours' credit per semester.

335. Choral Literature. A survey of the important literature in the choral field from the time of Palestrina to the present day. Much importance will be attached to student participation in reading as much choral literature as possible. Meets twice weekly for one semester. Two hours' credit.

411-2. Strict Counterpoint. The study of the five individual species and florid combined species of strict contrapuntal writing. Prerequisites: Music 111-12. Meets twice weekly for two semesters. Two hours' credit per semester.

413-4. Musical Composition. A study of methods and styles of musical composition. Actual compositions prepared by the students. Prerequisites: Music 211-2, 317-8. Meets twice weekly for two semesters. Two hours' credit per semester.

415-6. Pedagogy and Literature. A course of instruction primarily for instrumental or voice majors of advanced standing, considering the literature and methods of instruction in the respective field. For voice majors a prerequisite of ability to play vocalises at the piano by second semester is required. Meets twice weekly for two semesters. One hour laboratory period per week for the Vocal Pedagogy and Literature to be included as desired by the instructor. Two hours' credit per semester.

457. Public School Music. Selection and presentation of rote songs; the child voice in singing; treatment of the unmusical child; development of rhythmic and melodic expression; introduction of staff notation; directed listening. Prerequisite 115 or equivalent. Meets twice weekly for one semester. Two hours' credit.

APPLIED MUSIC

120. Secondary Piano. Designed to give the beginning student certain proficiencies he may use as a practical skill rather than as a medium of performance. Various curricula provide for the needs of the individual student, and are directed toward the requirements of the piano proficiency for music majors. Material covered will include beginning books for adults, major and minor scales, broken chord studies, easy sonatinas, and selections of the difficulty of Bach-Carroll, Book I. Sight reading will be emphasized. Credit not allowed toward Bachelor of Music degree or music major. One or two private half hour lessons weekly. One or two hours' credit per semester.

121-2, 221-2. Class Piano. Basic keyboard musicianship and piano playing in ensemble and solo selections graded according to those in each section of class. Meets twice weekly for two semesters. One hour's credit per semester.

125-6. Freshman Piano. All major scales, 4 octaves, at a moderate tempo; all triads and inversions, authentic and plagal condences in all keys; Etudes or exercises selected from Hanon, Czerny, Cramer; Bach, Little Preludes and Fugues, Two-Part Inventions; Sonatas of Haydn, Mozart, Beethoven; compositions by other classic and romantic composers. A minimum of three compositions must be satisfactorily played and two must be completely memorized at the end of the semester. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

225-6. Sophomore Piano. Continuation of technical plan including all major and minor scales and broken chord studies. Bach, Well-Tempered Clavier, Three-Part Inventions or material of similar grade; Beethoven Sonatas; Compositions of other classic, romantic, and contemporary composers. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

325-6. Junior Piano. Continuation of technical studies including all major and minor scales, and arpeggios in root position. Bach, French Suites or Preludes and Fugues from the Well-Tempered Clavier; Beethoven or Mozart Sonatas. Compositions of other classic, romantic, and contemporary composers. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

425-6. Senior Piano. Continuation of technical studies including scales in 3rds, 6ths, and 10ths; Arpeggios in all positions. The student will be examined each semester in advanced material studied during the senior year. Senior recitals shall consist of one of the more difficult Beethoven, Schumann, or Chopin sonatas or any polyphonic work of similar grade; Chopin Etudes; pieces by Chopin, Brahms, Debussy, and contemporary composers. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

525-6. Senior Piano. A course of advanced piano instruction for students with exceptional musical background. Prerequisites: Music 125 through 426. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

127-8. Freshman Organ. Stainer, The Organ; Bach, Eight Little Preludes and Fugues; pedal scales; hymns; miscellaneous compositions from the nineteenth and twentieth centuries of not too advanced level of difficulty. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

227-8. Sophomore Organ. Bach, preludes and fugues of approximately the E Minor (Cathedral) level of difficulty; sonatas of the level of difficulty of Mendelssohn's second Sonata; selected examples from the Bach Orgelbuchlein; miscellaneous nineteenth and twentieth century compositions of a lyrical nature and of a level of difficulty comparable with the above compositions. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

327-8. Junior Organ. Bach, Chorale Preludes, Second Sonata, Preludes and Fugues in E minor and A minor, or works of comparable difficulty; more difficult Mendelssohn sonatas; Franck, Piece Heroique; contemporary works by Milhaud, Bingham, Purvis, etc. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

427-8. Senior Organ. Bach, B Minor (Great) Prelude and Fugue, Fantasie and Fugue in G Minor, Third Sonata; Vierne, Symphony No. 1; Widor, Fifth Symphony; miscellaneous compositions of comparable difficulty. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

527-8. Senior Organ. A course of advanced organ instruction for students with exceptional musical background. Prerequisites: Music 127 through 428. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

131-2, 231-2, 331-2, 431-2, 531-2. STRING CLASS. The study of the string instruments through the medium of class work. Instruments for this instruction are supplied by the department. Meets twice weekly for two semesters. One hour's credit per semester.

133-4. FRESHMAN VIOLIN. Method of Maia Bang or another approved method. School of Violin Technique, Op. 1, Book I, by Sevcik. Daily Studies by Zajic-Czerwonky. Etudes by Wohlfahrt. Scales, Pieces, and arpeggios in grade. Kayser, Op. 20, Book I; Allard, Op. 10, No. 1. Dancla, Op. 126. Solos chosen to apply technique. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

233-4. SOPHOMORE VIOLIN. Kayser, Book II. Dancla, School of the Five Positions, Op. 122, Dont, Op. 27, A minor. Selected studies, concertos and solos to meet the need of the individual student. Kreutzer Etudes. Rode Etudes, Rode Concertos, Nos. 4, 7, 8. Viotte No. 23, 19, or 22. Compositions by Leonard DeBeriot, Czerwonky, Saenger, Severn and others. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

333-4. JUNIOR VIOLIN. School of Violin Technique, Op. 1, Book II, and School of Bowing by Sevcik. Double Stop Studies by Hogman. Studies by Kreutzer and Fiorillo. Concertos, Spohr 2, 6, 8, or 9. Wieniawski, No. 2. Vieuxtemps, Nos. 4 or 5. Schradieck, 25 Studies. Technical Studies by Sevcik. Etudes by Rode, Sebald, and Dont. Concertos by Vieuxtemps, Mozart and Max Bruch. Pieces by Wieniawski, Sarasate, Hubay, Czerwonky, Kreisler, and others. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

433-4. SENIOR VIOLIN. Technique of Grade 6 continued. Concertos by Mendelssohn, Saint-Sæns and Symphonic Espagnole by Lalo. Paganini Caprices. Bach Sonatas for Violin alone. Concertos and concert pieces. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

533-4. SENIOR VIOLIN. A course of advanced violin instruction for students with exceptional musical background. Prerequisites: Music 133 through 434. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

183-4. FRESHMAN VIOLA. Major and minor scales and arpeggios; studies from Kreutzer, Sitt, etc. Elementary solos; concertos and pieces by Nardini, Sitt, Bach, Handel. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

283-4. Sophomore Viola. Major and minor scales and arpeggios; studies of Mazas, Hohmann, Fiorillo, Kreutzer, etc. Sonatas by Mendelssohn, Dittersdorf, Bach, and Italian masters. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

383-4. Junior Viola. Major and minor scales and arpeggios through three octaves; studies from Kreutzer, Sitt, Fiorillo, etc. Concertos and pieces by Sitt, Vieuxtemps and Handel; sonatas of Bach, Beethoven, Mozart and Italian masters. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

483-4. Senior Viola. Major and minor scales and arpeggios through three octaves; studies from Kreutzer (double stops), Fiorillo, etc. Advanced works by Bach, Beethoven, Mozart, Mendelssohn. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

583-4. Senior Viola. A course of advanced viola instruction for students with exceptional musical background. Prerequisites: Music 183 through 484. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

185-6. Freshman Violoncello. Major and minor scales; studies by Duport, Franchomme, etc. Sonatas by old Italian masters. Selected passages for violoncello from orchestral works. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

285-6. Sophomore Violoncello. Major and minor scales through four octaves; studies by Grutzmacher, Franchomme, Duport; Arpeggios. Sonatas for 'cello alone by Bach; compositions from concert repertory. Two private half-hour lessons weekly. One, two or three hours' credit per semester.

385-6. Junior Violoncello. Scales in octaves, thirds and sixths; studies by Duport, Servais, etc. Concertos by Golterman, Saint-Sæns, etc., sonatas by Mendelssohn, and modern composers. Concert pieces. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

485-6. Senior Violoncello. Scales in octaves, sixths, thirds, and tenths; studies by Franchomme, Piatti, Servais, etc. Chamber music. Sonatas and concertos. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

585-6. Senior Violoncello. A course of advanced violoncello instruction for students with exceptional musical background. Prerequisites: Music 185 through 486. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

187-8. Freshman Double Bass. Bow studies, intervals, positions, Simandl Method Book 1. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

287-8. Sophomore Double Bass. Simandl, Fundamental Method, Book 1; major and minor scales and broken chords. Selected passages for Double Bass from orchestral literature. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

387-8. Junior Double Bass. Simandl, Fundamental Method, Book 2; thumb position scales in three octaves. Transposition. Passages from orchestral literature, both symphonic and operatic, for Double Bass. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

487-8. Senior Double Bass. Simandl, Fundamental Method, Book 3; scales in four octaves; arpeggios; double stops. Solos by Abert, Gianicelli, Stein, Simandl, etc. Chamber music. Orchestral literature. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

587-8. Senior Double Bass. A course of advanced Double Bass instruction for students with exceptional musical background. Prerequisites: Music 187 through 488. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

159-60. Freshman Flute. Tone studies; scales and arpeggios in various forms; Reichert, Exercises Journaliers; Boehm Studies; Soussman Etudes for Flute. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

259-60. Sophomore Flute. Same as above; solos by Cere, Leeuwan, Anderson. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

359-60. Junior Flute. Continuation of above; Lorenzo Studies; Kuhlau, solos and duets; Orchestral Studies; ensemble. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

459-60. Senior Flute. Same as above; Anderson, School of Virtuosity; Bach Sonatas; Mozart Concert; Orchestral Studies. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

559-60. Senior Flute. A course of advanced flute instruction for students with exceptional musical background. Prerequisites: Music 159 through 460. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

161-2. Freshman Oboe. Brod-Gillet, Oboe Method; Andraud and Verroust, Studies; Scales and Arpeggios; Solos by Pierne, Widor and Limon. Two private half-hour lessons weekly. One, two or three hours' credit per semester.

261-2. Sophomore Oboe. Brod, Lemotte and Luft studies: solos and sonatas by Mozart, Godard, Marcello and Verroust. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

361-2. Junior Oboe. Continuation of above; solos, sonatas and concertos by Saint-Sæns, Telemann and Haydn. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

461-2. Senior Oboe. Same as above; Orchestral studies; ensemble literature. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

561-2. Senior Oboe. A course of advanced oboe instruction for students with exceptional musical background. Prerequisites: Music 161 through 462. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

163-4. Freshman Clarinet. Tone studies; scale studies in various forms; arpeggios; Klose Method. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

263-4. Sophomore Clarinet. Rose studies; Baerman studies; Concerti by Mozart and Weber. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

363-4. Junior Clarinet. Cavallini Caprices; Baerman studies; Transposition; Sonatas by Brahms, Milhaud, Tuthill and others. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

463-4. Senior Clarinet. Jean-Jean and Labanchi studies; orchestral studies; Debussy Rhapsody. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

563-4. Senior Clarinet. A course of advanced clarinet instruction for students with exceptional musical background. Prerequisites: Music 163 through 464. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

165-6. Freshman Bassoon. Tone development; Scales and arpeggios; Weisenborn Etudes. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

265-6. Sophomore Bassoon. Milde, concert studies and arpeggio studies; standard concert literature. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

365-6. Junior Bassoon. Clef drills; solo and sonata literature; Gumpert, Orchestral Studies. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

465-6. Senior Bassoon. Continuation of orchestral studies; advanced solo and sonata literature. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

565-6. Senior Bassoon. A course of advanced bassoon instruction for students with exceptional musical background. Prerequisites: Music 165 through 466. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

167-8. Freshman Trumpet and Cornet. Tone production; scales and arpeggios; Arban Method; solo literature of Ropartz, Simon, Clarke, Bellstedt. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

267-8. Sophomore Trumpet and Cornet. Same as above; studies by Arban; St. Jacome, Pietzch, Harris; solos by Bach, Clarke, Saint-Sæns. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

367-8. Junior Trumpet and Cornet. Arban continued; transposition; Maxime-Alphonse Studies; solos by Bach, Dubois, Enesco; orchestral studies. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

467-8. Senior Trumpet and Cornet. Studies by Buonomi, Chavannes; orchesteral studies; solos by Desportes, Bozza, Ibert. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

567-8. Senior Trumpet and Cornet. A course of advanced trumpet and cornet for students with exceptional musical background. Prerequisites: Music 167 through 468. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

169-70. Freshman Horn. Major and minor scales; Tone production; exercises by Kopprasch. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

269-70. Sophomore Horn. Studies by Franz, Kling and Kopprasch; transposition; Sonati by Beethoven, Haydn; concerti by Mozart and others. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

369-70. Junior Horn. Continuation of above; prominent solos from symphony and opera; Strauss concerti; Sonati by Donato, Porter and others. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

469-70. Senior Horn. Hindemith sonata and concerto; transposition in all keys; chamber music; orchestral studies. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

569-70. Senior Horn. A course of advanced horn for students with exceptional musical background. Prerequisites: Music 169 through 470. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

171-2. Freshman Trombone and Euphonium (Baritone). Mantia and Bordoghi-Rochut studies; scales and arpeggios; solos by Pryor, Zimmerman and Simons. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

271-2. Sophomore Trombone and Euphonium (Baritone). More of the above; Blume Duets; solos by Barat, Croce-Spinelli, David. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

371-2. Junior Trombone and Euphonium (Baritone). Kopprasch studies; orchestral studies, solos by Busser, Pfieffer, Bigot, Rosseau, Dubois. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

471-2. Senior Trombone and Euphonium (Baritone). Same as above; Lafosse and Blazewitch studies; difficult passages, symphonic and operatic; transcriptions of Haydn, Mozart and Beethoven; solos by Salzedo, Videl, Leclercq. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

571-2. Senior Trombone and Euphonium (Baritone). A course of advanced trombone and euphonium for students with exceptional musical background. Prerequisites: Music 171 through 472. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

177-8. Freshman Tuba. Intensive study of fundamentals of technique. Arban studies. Selected studies of Schlossberg and Blasevich. All major and minor scales and arpeggi. One, two or three hours' credit per semester.

277-8. Sophomore Tuba. Continuation of first year. Studies by Bordogni-Rochut. Elementary clef studies. One, two or three hours' credit per semester.

377-8. Junior Tuba. More advanced studies by Arban, Schlossberg, Blasevich, Bordogni. More difficult clef studies of LaFosse. One, two, or three hours' credit per semester.

477-8. Senior Tuba. Continuation of Junior year. Horn concertos of Mozart, Strauss, and Beethoven. Orchestral studies from the works of Tchaikovski, Strauss, Wagner, Stravinski, etc. Survey of pedagogical works and literature for tuba. Two, three or four hours' credit per semester.

577-8. Senior Tuba. A course of advanced tuba for students with exceptional musical background. Prerequisites: Music 177 through 478. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

175-6, 275-6, 375-6. Percussion. Basic and advanced techniques on various percussion instruments through each of the four years. Tuning exercises for timpani. All types of drumming; study on castanets, tambourine, triangle, various traps, xylophone. Such methods as Imperial, Wilcoxson, Goodman, Goldberg. Solo work taken from Mendelssohn, Saint Sæns, MacDowell, Strauss, Despartes, and others. One to four hours' credit per semester in accordance with credit in other applied music.

103-4. Freshman Saxophone. Tone studies; scale studies in various forms; arpeggios; Iasilli and Pettine Methods. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

203-4. Sophomore Saxophone. Mule and Bozza studies; concerti by Jascha; sonatas by Creston and Tuthill. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

303-4. Junior Saxophone. Advanced studies by Wiedoeft. Concerti by Ibert, Tomasi, Bozza and others. Two half-hour lessons weekly. One, two, or three hours' credit per semester.

403-4. Senior Saxophone. Advanced studies by Rollinson. Solos by Bozza, Jacob, Henri, and others. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

503-4. Senior Saxophone. A course of advanced saxophone instruction for students with exceptional musical background. Prerequisites: Music 103 through 404 or permission of instructor. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

141-2, 241-2, 341-2, 441-2, 541-2. Class Voice. Theory and practice of vocal tone production in small groups. Individual attention and solo training. Two half-hour lessons weekly for two semesters. One hour's credit per semester.

143-4. Freshman Voice. Principles of breathing. Enunciation. Solfege exercises and vocalises consistent with the needs of individual student. Repertoire of old English and old Italian. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

243-4. Sophomore Voice. Vocalises continued. Studies in diatonic and chromatic scales, the trill and other embellishments. Italian songs and selected songs by Handel, Mozart, Schubert, Schumann, and others of the classic and romantic periods. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

343-4. Junior Voice. Studies for flexibility, style and expression. Recitative, lyric and dramatic arias from the operas and oratorios of Handel, Haydn, Mozart; Lieder; songs by 19th century composers; and songs by modern composers. Recital. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

443-4. Senior Voice. Classic, romantic and modern song literature. Oratorio, opera. Recital. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

543-4. Senior Voice. A course of advanced voice instruction for students with exceptional musical background. Prerequisites: Music 143 through 444. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

Ensembles

181-2, 281-2, 381-2, 481-2. Piano Ensembles. Small piano groups organized for instruction in playing music for more than one piano as well as for playing piano duets and trios. Meets twice weekly. One hour's credit per semester.

145-6, 245-6, 345-6, 445-6. UNION UNIVERSITY CHORUS. Any student may be admitted to the chorus after consultation with the director. At least two formal public performances are presented during the school year. Opportunity is provided for the study of both sacred and secular choral music. Meets twice weekly. One hour's credit per semester.

145-6, 245-6, 345-6, 445-6. UNION UNIVERSITY SINGERS. Admission by audition only. Prerequisite: one year of apprenticeship in the college chorus or consent of instructor. This chorus prepares for the annual spring tour and covers more music literature during the year than does the University chorus. Meets three times weekly. One hour's credit per semester.

147-8, 247-8, 347-8, 447-8. VOCAL ENSEMBLES. Various small choral ensembles such as women's trios and double trios, male quartets, etc., are organized both for the sake of pure enjoyment of participation and for public performances upon many and varied occasions. Meets once each week. One hour's credit per semester.

100-1, 200-1, 300-1, 400-1. STAGE BAND. Admission by audition only. Various phases or organization, techniques, literature, interpretation, etc., involved in professional demands on modern jazz artist. Performances include various campus activities, high school assemblies. Meets once each week for two hour rehearsal. One hour's credit per semester.

151-2, 251-2, 351-2, 451-2. SYMPHONIC BAND. A course in band instruction designed to train students for performance. Various phases of organization, techniques, literature, interpretation, etc., involved in professional demands are treated extensively. Performances will include various campus concerts, some athletic events, and a tour of the area. Membership is determined from auditions held during the week of registration. Meets three times weekly. One hour's credit per semester.

173-4, 273-4, 373-4, 473-4. JUNIOR BAND. A course in elementary band instruction open to freshmen, sophomores, and music education majors. Instruments of the student's choice may be rented at the local music stores. At the end of one year of instruction those students showing promise and talent may be selected to participate in the Symphonic Band. Meets twice weekly. One hour's credit per semester.

153-4, 253-4, 353-4, 453-4. Union University Brass Choir. Performance of literature for various combinations of brass instruments, i.e., Trios quartets, quintets, sextets, etc. Meets once each week. One hour's credit per semester.

155-6, 255-6, 355-6, 455-6. Woodwind Ensemble. Performance of literature for various combinations of woodwind instruments. Meets once each week. One hour's credit per semester.

191-2, 291-2, 391-2, 491-2, 591-2. String Ensemble. Performance of literature for various combinations of string instruments, i.e., trios, quartets, quintets, sextets, etc. Meets once each week. One hour's credit per semester.

193-4, 293-4, 393-4, 493-4. Madrigalists. Small choral ensemble specializing in vocal literature, specifically madrigals, of the Renaissance period. Admission by audition. Meets twice weekly. One hour's credit.

ART

The Art Department provides an opportunity for students to develop their powers of perception, appreciation, knowledge, and discrimination of art, both past and present; to develop art skills and to provide opportunity for creative expression and effective use of leisure time; to provide opportunity to develop skills, methods, and techniques of teaching art in the school, church, or recreational program.

I. Major in Art—30 hours

A. Twelve hours must be at junior or senior level.

B. Must select either Art 313 or Art 314.

C. Present an Art Exhibit during Senior year.

II. Minor in Art—18 hours

The Department of Art reserves the right to select and retain samples of the best art work done in studio courses. Work will be selected whenever it is deemed to be of such quality as to be useful for future teaching or departmental records.

Art History and Appreciation

111. Art Appreciation-Orientation. An interpretation of the visual and space arts for the development of effective criteria for judgment and the enjoyment of art expression. Two hours' credit.

313-4. Art Appreciation-Survey. Constitutes a survey of painting, sculpture, architecture; and the minor arts as represented by significant examples of art from prehistoric to modern times. Two hours' credit per semester.

Drawing, Painting, and Design

114. Lettering. Development of sufficient skill to letter quickly and effectively show cards, announcements, and posters. Two one-hour laboratory periods per week. One hour's credit.

115. Beginning Art (Laboratory). A basic course in art designed to meet the student's individual needs and interests and to provide opportunity to experiment with different media. Two laboratory periods per week. Two hours' credit. Prerequisite: 111.

116-7. First Year Drawing. Drawing with various media to gain facility in objective representation. Two laboratory periods per week. Two hours' credit per semester.

311-2. Drawing, Painting and Composition. A course in studio painting practice. 311, still-life drawing and painting in charcoal and oil; 312, outdoor sketching and painting in watercolor and oil. Three laboratory periods per week. Prerequisite: 111 and 115, or with consent of instructor. Three hours' credit per semester.

316. Advanced Design. An advanced course in the fundamentals of good design with emphasis on design problems in Commercial Art. Three hours' credit. Prerequisite: Art 115.

411-2. Advanced Painting. Designed to meet individual needs and interests in painting. Experimental techniques and media. Prerequisite: Art 311-2 or consent of the instructor. Three laboratory periods per week. Three hours' credit per semester.

413. Advanced Art Studio. An advanced studio course in art in which the student can concentrate in any of the major areas of the department such as painting, sculpture, ceramics, or crafts. Designed for persons wanting more than the amount of the above courses offered in the catalog. Prerequisite: Art 311-2 or consent of the instructor. Three laboratory periods per week. Three hours' credit per semester.

Crafts, Sculpture and Ceramics

213. Crafts. Fundamental craft techniques in various mediums, emphasizing good design and proper use of material. Two laboratory periods per week. Two hours' credit.

214. Ceramics. Creative expression in the ceramic arts and the development of form in the plastic medium of clay. Three laboratory periods a week. Three hours' credit.

315. Sculpture. Carving and construction in various materials. Two laboratory periods a week. Two hours' credit.

Art Education (See also additional courses listed Education)

215. Art in the Elementary Schools. A laboratory course designed for elementary teachers in the development of art skills for the elementary school. Two two-hour laboratory periods per week. Two hours' credit.

416. Arts and Crafts for Teachers. A materials and methods course in the teaching of arts and crafts in elementary and secondary school. Two hours' credit.

SPEECH AND DRAMATIC ART

INSTRUCTION in Speech and Dramatic Art purposes to develop student potential in the oral communication of thought; to provide an opportunity for the appreciative evaluation and oral interpretation of literature; to instruct in the techniques and methods of teaching voice and diction, public speaking, discussion and play production; to help the student attain a degree of excellence in performance for platform, radio, television and other professional careers.

I. Minor in Speech and Dramatic Art—18 hours
   A. Six hours on junior or senior level

113. APPRECIATION OF THEATRE ARTS. An introductory study of the techniques of dramatic art, designed to make playgoing more meaningful and better appreciated. Two hours' credit.

213. PUBLIC SPEAKING. Study and practice in effective oral communication. Required of all students for graduation. Three hours' credit.

214. ORAL INTERPRETATION. Oral practice in analysis of various types of literature so that they may be presented informatively and interestingly. Three hours' credit.

215. THEATRE TECHNIQUES. A survey course in the fundamentals of successful stage production and technique: emphasis on directing, acting, rehearsing; problems in organization; play choice; casting; in scenery, costuming, make-up, and lighting. Three hours' credit.

216-7. DEBATE. Analyses, briefing evidence, reasoning and refutation with special emphasis given to the national Intercollegiate Discussion and Debate propositions. Preparation for entry in intercollegiate debate tournaments. Two two-hour periods per week. Two hours' credit per semester.

313. THEATRE PRODUCTION. A more advanced course for those who have had Speech 215, with emphasis on the techniques of acting and stage craft. Three hours' credit.

314. VOICE AND DICTION. Study and development of the voice. Educative exercises in articulation and pronunciation. Drill in phonetics. Particularly helpful for students planning professional careers. Three hours' credit.

413. PUBLIC DISCUSSION AND ARGUMENTATION. Gathering, organizing, and presenting argumentative material effectively. Each student required to participate publicly on the platform or by radio. Designed particularly for students preparing for professional careers. Prerequisite: Speech 213. Three hours' credit.

DIVISION OF HUMANITIES

PURPOSE OF HUMANITIES

In the humanities, students learn to prefer one thing to another, and to acquire a set of ideas and principles which they believe and on which they can act. To this end, courses in the division are organized to broaden the individualistic, imaginative, sympathetic, æsthetic, and moralistic qualities in man. More specifically, courses in the division are geared to develop competence in language, appreciation in literature, and belief in, and dedication to, the Christian ethic.

English
Languages

Philosophy
Religion

DEPARTMENT OF ENGLISH

INSTRUCTION in the English department consists of helping students develop skills in writing and speaking effectively, and in reading and evaluating literature appreciatively. A wide range of courses appealing to the æsthetic as well as to the practical nature of man is offered regularly, serving the dual purpose of qualifying prospective teachers of English and stimulating all students to search more diligently for the riches in the spoken and written word.

Students are required to complete the core curriculum requirements in literature before enrolling in an upper-level course in literature.

Students majoring or minoring in English must meet the following requirements:

I. Major in English—30 hours
   A. English 111-2—English Composition
   B. English 211-2—Sophomore literature surveys
   C. English 321—Advanced Grammar
   D. English 411-2—Shakespeare
   E. Additional courses on the junior or senior levels

II. Minor in English—24 hours
   A. English 111-2—English Composition
   B. English 211-2—Sophomore literature surveys
   C. Additional courses on the junior or senior levels

ENGLISH

*111-2. ENGLISH COMPOSITION. Review of fundamentals of grammar; practice in basic forms of composition; selected readings from various types of literature. Prerequisite to all other courses in English. Three hours' credit per semester.

211. SURVEY OF AMERICAN LITERATURE. Introduction to principal authors and most significant prose and poetry produced in America from seventeenth century to the present. Three hours' credit.

212. MASTERPIECES OF ENGLISH LITERATURE. Selected readings from English prose and poetry. Three hours' credit.

*Sections of English 111 are offered on the basis of five periods a week to include an intensive study in grammar, punctuation, and spelling. Freshmen whose scores on the English proficiency test fall below the standard set by the English Department will be required to take one of these sections.

213-4. News Writing and Reporting. Practice in news gathering and news writing for the college publications. Does not count on English major, but is of inestimable value to the prospective high school English teacher. Two hours' credit per semester.

216. Children's Literature. A survey course designed to familiarize the student with children's books from early times to the present. Emphasis is placed upon the Newbery and Caldecott award books. Does not count towards the English major. Two hours' credit.

313. American Literature of Nineteenth Century. Extensive reading from the works of Poe, Hawthorne, Melville, Emerson and Whitman. Three hours' credit.

314. Major Romantic Poets. Intensive reading in the poetry of the major Romantic poets: Wordsworth, Coleridge, Byron, Shelley, and Keats. Three hours' credit.

315. English Literature of Eighteenth Century. Selected readings from the principal authors; a critical examination of the intellectual history of the age. Three hours' credit.

316. The Novel in English. Study of the novel as a literary form. Three hours' credit.

317. World Literature. Selected readings (in translations) from literary masterpieces of great European writers from Homer to the present. Three hours' credit.

318. Advanced Composition. Techniques of writing effective expository, argumentative, descriptive, and narrative prose. Two hours' credit.

319. Victorian Poetry. Intensive reading in the poetry of the major Victorian poets. Three hours' credit.

320. Short Story. Reading, analysis, and intensive study of the short story as a literary form. Each student required to do original composition. Two hours' credit.

321. Advanced Grammar. A course in English grammatical forms, including history and philosophy of their uses. Two hours' credit.

411-2. Shakespeare. Readings from the comedies, histories, and tragedies. Required of all majors in English. Three hours' credit per semester.

413. Contemporary Drama. Readings from Continental, British, and American drama from Ibsen to the present. Three hours' credit.

414. Studies in Seventeenth Century English Literature. Major emphasis will be placed on the poetry of Donne, Milton, and the Cavalier poets. Readings from the prose and drama of the period will be included. Three hours' credit.

415. Feature Writing. Practical experience in mastering the craft of writing the special feature. Each student will be encouraged to prepare an article for publication. Two hours' credit.

416. Contemporary Poetry. A study of Twentieth Century British and American poetry. Three hours' credit.

417. Literary Criticism. A study of major critical texts from Aristotle to T. S. Eliot. Open to senior English majors only. Three hours' credit.

DEPARTMENT OF LANGUAGES

THE PURPOSE of the Department of Languages in the liberal arts program is to instruct the student through oral-aural-visual techniques and methods to read, understand, speak and write with proficiency at least one foreign language; first, to aid in developing understanding through inter-communication; second, to serve as a basis for studying the history, literature and life of another country; third, to help the student attain a certain fluency in foreign language in preparation for doing research in graduate and professional schools

Language requirements for graduation with the A.B. Degree: fourteen semester hours or two years of high school language and six semester hours of second year college credit in the same language. Students entering with two units of high school language will take a comprehensive examination to demonstrate their ability to do second year work.

Majors and minors are offered in French and Spanish.

I. Students majoring in language must meet the following requirements:

   1. Major in chosen language—24 to 26 hours*
   2. Ten semester hours must be on junior or senior level.

II. Students minoring in language must meet the following requirements:

   1. Minor in chosen language—18-20 hours*
   2. Six semester hours must be on junior or senior level.

If a student takes a major in one language, it is suggested that he take a minor in a second language.

FRENCH

111-2. ELEMENTARY FRENCH. Fundamentals of pronunciation, conversation, grammar and composition. Four hours' credit per semester.

211. INTERMEDIATE FRENCH. Grammar review. Reading of suitable texts, conversation and composition. Prerequisite: French 111-2 or two years of high school French and proficiency test. Three hours' credit.

212. ADVANCED FRENCH. Rapid reading of representative French texts. Prerequisite: French 211. Three hours' credit.

*Twenty-four hours for major and eighteen for minor if the student begins at the 211 level or above.

311. Survey of French Literature. Chanson de Roland through the 17th century. Lectures, readings and reports. Prerequisite: French 212. Three hours' credit.

312. Survey of French Literature. A continuation of French 311. The beginning of the 18th century to the present. Lectures, readings and reports. Prerequisite: French 212. Three hours' credit.

313. Conversation and Composition. Practice in oral and written expression. Prerequisite: French 212. Three hours' credit.

413. French Classical Drama. A study of the life and dramatic art of Corneille, Racine, and Moliere. Lectures and reports. Three hours' credit.

414. French Romantic Literature. A study of the romantic movement in French literature, with special emphasis on poetry and the drama. Three hours' credit.

415. Modern French Novel. A study of the life and works of representative French novelists of the modern period. Three hours' credit.

GERMAN

111. Elementary German. A study of pronunciation and grammatical forms. Simple reading. Four hours' credit.

112. Elementary German. A continuation of German 111. Grammar and reading of easy prose. Four hours' credit.

211. Intermediate German. A review of grammar. Composition and reading of suitable texts. Prerequisite: German 111-2 or two years of high school German and proficiency test. Three hours' credit.

212. Advanced German. Rapid reading of representative texts. Lectures and reports. Prerequisite: German 211. Three hours' credit.

GREEK

211. Elementary Greek. A study of the basic forms, syntax, vocabulary and pronunciation of the Greek New Testament. Prerequisite: Sophomore standing. Four hours' credit.

212. Elementary Greek. Continuation of Greek 211. Reading in Mark and I John. Prerequisite: Greek 211. Four hours' credit.

311. Intermediate Greek. A study of the grammar and syntax of the Greek New Testament. Reading in the New Testament. Prerequisite: Greek 212. Three hours' credit.

312. Intermediate Greek. Continuation of Greek 311. Prerequisite: Greek 311. Three hours' credit.

411. Advanced Greek. An extensive reading course in the Greek New Testament with emphasis upon careful, accurate exegesis. Prerequisite: Greek 312. Two hours' credit.

412. Advanced Greek. A continuation of Greek 411. Prerequisite: Greek 411 or consent of instructor. Two hours' credit.

LATIN

111-2. Elementary Latin. Pronunciation, grammar, simple readings. Four hours' credit per semester.

211-2. Intermediate Latin. Review of grammar. Readings from Roman and medieval authors. Studies in Roman mythology, history, civilization. Prerequisite: Latin 111-2 or two years of high school Latin and proficiency test. Three hours' credit per semester.

SPANISH

111-2. Elementary Spanish. Fundamentals of pronunciation, conversation, grammar, and composition. Simple reading. Four hours' credit per semester.

211. Intermediate Spanish. Grammar review. Reading of suitable texts, conversation and composition. Prerequisite: Spanish 111-2 or two years of high school Spanish and proficiency test. Three hours' credit.

212. Advanced Spanish. Rapid reading of representative Spanish texts. Prerequisite: Spanish 211. Three hours' credit.

311. Survey of Spanish Literature. Poema de Mio Cid through the 17th century. Lectures, readings and reports. Prerequisite: Spanish 212. Three hours' credit.

312. Survey of Spanish Literature. A continuation of Spanish 311. From the beginning of the 18th century to the present. Lectures, readings, and reports. Prerequisite: Spanish 212. Three hours' credit.

313. Conversation and Composition. Practice in oral and written expression. Prerequisite: Spanish 212. Three hours' credit.

413. The Modern Spanish Novel. A study of the life and works of representative Spanish novelists of the modern period. Three hours' credit.

414. The Modern Spanish Drama. A study of the life and works of representative Spanish dramatists of the modern period. Three hours' credit.

415. Survey of Spanish-American Literature. The reading of representative authors with emphasis on the novel. Three hours' credit.

416. The Drama of the Golden Age. A study of the life and works of Lope de Vega, Alarcon, Tirso de Molina and Calderon. Three hours' credit.

417. Don Quijote De La Mancha. A study of the life and works of Cervantes. Reading of Don Quijote de la Mancha. Three hours credit.

DEPARTMENT OF RELIGION AND PHILOSOPHY

The courses of the Department of Religion and Philosophy are designed for a twofold purpose: To give the student an understanding of the basic principles of the Bible as they appear in their historical setting; and to acquaint the student with the merits, values, and distinctive contributions of the Christian religion to the religious experience of mankind.

The work of the department is planned to contribute to the cultural and spiritual benefit of the entire student body. Specialized training is also provided for the following:

1. The ministerial or missionary student who will seek further preparation in a theological seminary. Likewise, equal provision is made for the student whose formal preparation will terminate with graduation.

2. The religious education director, minister of music, or church secretary who desires specialized religious training on the college level.

Students majoring in Religion must meet the following requirements:

I. Major in Religion—27 hours
   A. 24 hours of religion
      1. Religion 111, 112, 214
      2. Religion 216, 217
      3. Three hours to be selected from Religion 313, 415
      4. Three hours to be selected from Religion 315, 317
      5. Elective Religion 4 hours—not more than three of which may be taken from Religion 320, 321, 416
   B. Philosophy 311

II. Minor in Religion—21 hours
   A. 18 hours in Religion
      1. Religion 111, 112
      2. Religion 216, 217
      3. Three hours to be selected from Religion 313, 415
      4. Three hours to be selected from Religion 315, 317
   B. Philosophy 311

III. Minor in Philosophy—18 hours

RELIGION

111. Old Testament Survey. A survey of the history of the Hebrews from Adam through the reign of David. Three hours' credit.

112. Old Testament Survey. A survey of the history of the Hebrews from Solomon through Malachi. Prerequisite: Religion 111. Three hours' credit.

214. The Intertestament Period. A survey of the Greek, Roman and Jewish cultures of the intertestament period. Two hours' credit.

215. Evangelism. A study of the history, principles and methods of evangelism. Prerequisites: Religion 111, 216. Two hours' credit.

216. The Life of Christ. The life of Christ as recorded in the Synoptic Gospels. Three hours' credit.

217. Acts. The Christian movement as recorded in Acts together with a study of selected Pauline Epistles. (Galatians, I and II, Thessalonians, and Philippians). Prerequisite: Religion 216. Three hours' credit.

218. Homiletics and Ministerial Practices. A study of the basic techniques of sermon preparation and delivery with a section on Ecclesiology and Ethics. Required of all ministerial students during the first year of attendance at Union. Three hours' credit.

313. Poetry and Wisdom Literature of the Old Testament. An intensive study of Hebrew Poetry and Wisdom Literature as religious literature and as literary forms. An exagetical study of selected poetry and wisdom literature (Job and selected Psalms). Three semester hours.

315. Pauline Epistles. A survey of the Pauline Epistles. Prerequisite: Religion 217. Three hours' credit.

316. Renaissance and Reformation. See History 318 for description.

317. Hebrews, General Epistles, Revelation. A survey of Hebrews, General Epistles and Revelation. Prerequisite: Religion 217. Three hours' credit.

318. Christian Doctrine. An analysis and interpretation of Christian doctrine. Prerequisite: Any one of the following courses: 314, 315, 317, 413. Two hours' credit.

319. Comparative Religion. See Philosophy 319 for course description.

320. Introduction to Religious Education. A study of the origin, scope and importance of religious education. (Introductory attention will be given to the nature of the New Testament church.) Prerequisite: six hours of Religion. Three hours' credit.

321. Religious Education in the Church. An intensive study of the origin, purposes, officers and curriculum of the organizations of the local church. Prerequisite: six hours of Religion. Three hours' credit.

323. (311) Church History. A historical survey of Christianity from the apostolic era until the Protestant Reformation. Prerequisite: Religion 217. Two hours' credit.

324. (312) Church History. A historical survey of Christianity from the Protestant Reformation through the First Great Awakening in America. Prerequisite: Religion 323. Two hours' credit.

414. The Johannine Literature. An intensive study of the Gospel of John and the Johannine Epistles. Prerequisite: Religion 315 or 317. Three hours' credit.

415. Prophecy and Prophets. A study of the origin and development of Hebrew Prophecy; an exagetical study of some of the prophetic books of the Old Testament. Three semester hours.

416. Psychology of Religion. A careful study of the factors in the religious experience. Prerequisite: Six hours of Religion. Three hours' credit.

PHILOSOPHY

311. Introduction to Philosophy. A survey of the branches of philosophy and its history from Thales through Philo. Prerequisite: Consent of instructor. Three hours' credit.

312. History of Philosophy. A survey of the history of philosophy from Philo until the modern period. Prerequisite: Philosophy 311. Three hours' credit.

313. Ethics. An analysis of the principles of ethics. Prerequisite: consent of Instructor. Two hours' credit.

319. Comparative Religion. A survey of the world's major religions. Prerequisite: Religion 217. Two hours' credit.

411. Modern Philosophy. A survey of modern philosophical thought from the Enlightment to Contemporary Philosophy. Prerequisite: Philosophy 311. Three hours' credit.

412. Philosophy of Religion. A study of the philosophical attempt to understand the nature of God and the significance of religion in the life of man. An investigation as to the validity of the claim to a type of knowledge called "religious" and the methods whereby such is gained. Prerequisite: Philosophy 311. Three hours' credit.

413. Logic. A study of inductive and deductive methods of reasoning. Prerequisite: Philosophy 311. Two hours' credit.

DIVISION OF NATURAL SCIENCE

The broad objective of the Division of Natural Science is to lead the student into a search for universal truths related to the world in which we live, and to assist him in arriving at a correct view of other scientific knowledge.

This Division is composed of the Departments of Biology, Chemistry, Mathematics, Nursing, and Physics, for the purpose of coordination of effort to the end that the above objective may be obtained.

Specifically, courses are designed to meet the needs of students under the following classifications:

(a) those wishing a broad foundation in the basic sciences and a general knowledge of the applied sciences;

(b) those in Pre-professional study in Dentistry, Engineering, Medicine, Pharmacy, Medical Technology, and Nursing;

(c) those preparing for the teaching profession in secondary schools;

(d) those interested in further scientific pursuits in graduate schools; and

(e) those planning to enter the industrial field upon completion of undergraduate study.

Biology
Chemistry
Mathematics
Nursing
Physics

DEPARTMENT OF BIOLOGY

Courses of the Department of Biology are designed to increase the student's appreciation of his environment, to contribute to his cultural background, to meet the needs of students preparing to enter graduate school or to meet entrance requirements for dental, medical, and pharmacy schools. Not all courses are offered in any one year. Certain advanced courses alternate to meet demands.

Students majoring or minoring in biology must meet the following requirements:

I. Major in biology—30 hours
   - A. Twelve hours must be junior or senior level
   - B. The student may choose between botany and zoology for the greater portion of his work
   - C. Biology 111-2-3, or equivalent, are prerequisites to all other biology courses
   - D. Biology 418 must be taken in Senior year

II. Minor in biology—20 hours
   - A. Biology 111-2-3
   - B. Eight hours must be junior or senior level courses. The student will consult the head of the department regarding advanced courses

Majors who plan to do graduate work in the biological sciences should take the following additional courses:

1. One year of physics
2. One year of general chemistry
3. One year of organic chemistry

Majors who plan to do graduate work in the field of botany should take the following courses:

1. Plant Physiology 2. General Bacteriology 3. Genetics
4. Plant Taxonomy 5. Ecology

Majors who plan to do graduate study in Zoology should include in their major courses the following:

1. Vertebrate Zoology 2. Entomology 3. Embryology
4. Genetics 5. Comparative Anatomy

Majors who plan to teach biology in high school should include in their major courses the following:

1. General Bacteriology 2. Entomology 3. Genetics
4. Plant Taxonomy 5. Human Anatomy and Physiology

111. Principles of Biology. A study of historical development of biology. The basis, origin, organization and functions of life are stressed. Two lectures and one laboratory period. Four hours' credit.

112. General Zoology. A survey of the animal kingdom with emphasis on the invertebrates. Two lectures and two laboratory periods. Four hours' credit.

113. General Botany. A survey course of the plant kingdom with emphasis on habitat, structure, function and economic importance. Two lectures and two laboratory periods. Four hours' credit.

212. Vertebrate Zoology. Study of representative vertebrates of the five classes. Specimens of the lower forms will be collected and studied in the field. Two lectures and two laboratory periods per week. Four hours' credit.

213. General Bacteriology. An introduction to the principles underlying the subject. Laboratory technique is emphasized and careful study is given to representatives of larger groups of bacteria. Two lectures and two laboratory periods per week. Prerequisite: A year of biology or equivalent. High School Chemistry or Chemistry 111 a prerequisite or corequisite. Four hours' credit.

215. Entomology. A study of the use of keys, classifications, life histories, habits, and economic importance of insects. Two lectures, and two laboratory periods or field trips per week. Four hours' credit.

311. Human Anatomy and Physiology. A study of the anatomy and physiology of the systems of the human body, including the skeletal, muscular, nervous and circulatory systems. Two lectures and one laboratory period per week. Prerequisite: A year of biology or equivalent. Three hours' credit.

312. Human Anatomy and Physiology. A continuation of Biology 311. A study of excretory, respiratory and digestive systems, special senses, reproductive and endocrine systems. Two lectures and one laboratory period per week. Prerequisite: A year of biology or equivalent. Three hours' credit.

313. Advanced Bacteriology. Advanced principles and laboratory techniques are studied. Practical applications of the subject to the study of foods, water, sewage, soil, and manufacturing processes involving bacteriology are to be emphasized. Two lectures and two laboratory periods per week. Prerequisite: General Bacteriology. Four hours' credit.

314. Vertebrate Embryology. A study of the general principles of the embryology of vertebrates, including germ cells, maturation, fertilization, cleavage, germ layers, and formation of organs. Embryos of typical vertebrates are used. Two lectures and two laboratory periods per week. Four hours' credit.

315. Genetics. A study of the more important laws of heredity and their application to animals and plants. Two lectures and two laboratory periods per week. Three hours' credit.

316. Plant Physiology and Biology. An introductory course dealing with functions and growth of plants. Two lectures and one laboratory period per week. Prerequisite or corequisite: Chemistry 111-2. Three hours' credit.

317. Plant Taxonomy. A laboratory and field course consisting of collecting, preserving and identifying native flora. Use of botanical keys is stressed, and principles of classification are strongly emphasized. One lecture and one to three laboratory periods and field trips per week. Two to three hours' credit.

413. Comparative Anatomy. Comparative study of the organ systems and structures of representative chordates. Prerequisites: Sixteen hours of biology or equivalent. Four hours' credit.

414. Ecology. A study of the interactions between organisms and their environment. Consideration is given both to the environment of the individual and to the development of plant-animal communities. Two lectures and two laboratory periods per week. Prerequisite: Two years of biology or equivalent. Three hours' credit.

415. Special Problems. Designed to meet the needs of majors in the department. Collection, preparation, and completed study of specimens of plants, animals, etc. Prerequisite: Eighteen hours of biology. Two hours' credit.

417. Animal Histology. A microscopic study of tissues and organs of the animal body. The preparation of temporary and permanent

slides is emphasized. One lecture and one to three laboratory periods per week. Prerequisite: Fourteen hours of zoological courses. Two to four hours' credit.

418. Biology Seminar. A course designed to acquaint the student with current literature. The reading of biological journals, use of Biological Abstracts and other research tools will be emphasized. Each class period will be devoted to one or more oral or written presentations by students of materials previously selected as their chosen topics. The general topics for the semester will vary according to interests and ability of students. Prerequisite: Senior standing and 20 hours in Biology. One hour credit. Required of all senior Biology majors, must be taken in the senior year.)

DEPARTMENT OF CHEMISTRY

THE AGE in which we live is truly the age of science. No one can escape for long the impact of scientific discovery upon the world today. This is particularly true of the science of chemistry which deals with the structure of matter and its many transformations. Broadly speaking, this department aims to help the student to understand the material world around him and how it affects the ever changing processes of life, attain skill in scientific methods of problem solving, achieve laboratory skills for work in chemistry, and develop an inquiring mind and a proper attitude toward scientific exploration. More specifically this department offers courses to meet the needs of three types of students:

1. Those who are non-science majors but desire the subject for its cultural and educational values and for meeting graduation requirements.
2. Those who plan to teach science.
3. Those who wish to prepare for medicine, agriculture, engineering, or any other type of scientific work.

Students who look forward to careers as research chemists, industrial chemists, or college chemistry teachers are advised to include Mathematics 211-2-Calculus, Physics 211-2-General Physics, and Chemistry 411-2-Physical Chemistry in their courses of study.

Students majoring or minoring in chemistry must meet the following requirements:

I. Major in chemistry
   1. Thirty semester hours
      (1) Chemistry 111-2, 211-2, 311-2, and 411-2 or
      (2) Chemistry 111-2, 211-2, 311-2 and eight semester hours of Biochemistry completed in an accredited medical school in the United States, or
      (3) Chemistry 111-2, 211-2, 311-2 and eight semester hours of other chemistry courses on the junior and senior levels.

Note: Most chemistry majors should select the first option. Premedical students may choose the second option. Students on the secondary school teacher's program may use the third option. However, the second and third options do not meet the minimum requirements for graduate study in chemistry.

II. Minor in chemistry
   1. Chemistry 111-2, 211-2 and 311-2; or
   2. Chemistry 111-2, 211-2, and 411-2; or
   3. Chemistry 111-2, 311-2 and 313

111-2. General Chemistry. A study of the fundamental principles, theories, laws, and basic facts of chemistry. The preparation and properties of the more common elements and their compounds in relation to the periodic tables and atomic structure. Emphasis is laid on the metals and their ions in relation to the scheme of qualitative analysis. Problem solving, principles of equilibrium and equations are stressed. The last twelve weeks of laboratory is devoted to qualitative analysis. Three lectures and three hours laboratory per week. Four hours' credit per semester.

211-2. Quantitative Inorganic Analysis. Fundamental laboratory procedures, calibration of apparatus, selected experiments in gravimetric and volumetric analysis; basic theory in stoichiometry. Emphasis is placed on special gravimetric and volumetric methods, theory, and potentiometric calculations. One lecture and two three-hour laboratory periods per week. Prerequisite: Chemistry 111-2. Three hours' credit per semester.

311-2. Organic Chemistry. A study of the various compounds of carbon, their preparations, properties, and reactions; the theories underlying the subject and the effect of molecular structure on chemical and physical properties. Three lectures and three hours laboratory per week. Prerequisite: Chemistry 111-2. Four hours' credit per semester.

313. Biochemistry or Physiological Chemistry. This is an introductory course. Two lectures and one three-hour laboratory period per week. Prerequisite: Chemistry 311-2. Three hours' credit.

411-2. Physical Chemistry. A study of topics dealing with the more fundamental aspects of chemistry. The states of matter, the elementary principles of thermodynamics and thermochemistry will be stressed. Three lectures and three hours laboratory per week. Prerequisite: Chemistry 111-2 and Mathematics 211-Calculus. Four hours' credit per semester.

414. Industrial Chemistry. A study of chemical processes in industry. Prerequisite: Chemistry 311-2. Three lectures per week. Three hours' credit.

416. Advanced Inorganic Chemistry. A study of the reactions and structures of inorganic compounds. Prerequisite: Chemistry 211-2. Three lectures per week. Three hours' credit.

DEPARTMENT OF MATHEMATICS

The courses in mathematics are designed to provide basic content for students classified as mathematics majors or minors, engineering, pre-dental, pre-medical, majors or minors in business administration, teachers and those preparing to teach. In the lower level courses there are many topics of general, practical and cultural interest.

I. A major in mathematics consists of 30 hours, of which 9 hours must be above the 200 level, with the approval of the department head.

II. A minor in Mathematics consists of 21 hours including Mathematics 211, 212.*

Courses 111, 112 and either 113, 213, 114 or 115 are required of all students who elect mathematics to meet the science or mathematics requirement for graduation.

111. College Algebra. Linear systems, quadratic equations, ratio, proportion and variation, progressions, binomial theorem, theory of equations. Three hours' credit.

112. Plane Trigonometry. Functions of acute angles, logarithms, functions of any angle, radian measure, graphs, identities, oblique triangles. Three hours' credit.

114. Plane Analytic Geometry. Cartesian coordinates, polar coordinates, the circle, the ellipse, hyperbola and parabola, transformations, parametric equations, higher plane curves. Prerequisite: 111. Prerequisite or co-requisite: 112. Four hours' credit.

211. Calculus. Functions, limits, the derivative, applications of the derivative, maxima and minima, tangents and normals, the indefinite integral, and the definite integral. Prerequisite or co-requisite: 114 or consent of instructor. Four hours' credit.

212. Calculus. Indeterminate forms, integration by substitution, areas, volumes, centroids, power series, and double integrals. Prerequisite: 211. Four hours' credit.

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*Transfer students may substitute certain mathematics courses with approval of department head.

213. College Business Mathematics. This course is designed to meet the essential needs of students of accounting, secretarial studies and business education training. It deals with applications of percentages, computing mark-up and interest charges, depreciation, stock and bond purchases, etc. Two hours' credit. (Does not apply toward the major or minor.)

313. Theory of Equations. Complex numbers, study of cubic and quartic equations, determinants and symmetric functions. Prerequisite: 211. Three hours' credit.

314. Differential Equations. Equations of first order and first degree, homogeneous equations, physical applications, linear equations, exact differential equations, etc. Prerequisite: 212. Three hours' credit.

413. College Geometry. Technique of construction with emphasis on triangles and circles. Methods of approach to construction problems, and analysis of possibilities of construction. Theorems in plane Euclidean geometry. Prerequisite or co-requisite 112 and Junior standing. Three hours' credit.

414. Advanced Calculus. Multiple integrals, applications, partial differentiation, implicit functions, series, line and surface integrals, vector notation, and Gamma and Beta functions. Prerequisite: 212. Three hours' credit.

415. Abstract Algebra. A study of sets, number systems, groups, rings, vector spaces, lattices, and Boolean Algebra. Prerequisite: 212 and the consent of the instructor. Three hours' credit.

Note: Upper level courses will be offered in alternate years or when needed.

Engineering

114. Elementary Surveying. The compass and transit, leveling, contours, land survey, earthwork, etc. One hour lecture and three hours field work. Prerequisite or co-requisite: 112. Two hours' credit.

115. Slide Rule Problem Solving. Use and application of the slide rule to engineering and related topics, including proportion, powers and roots, logarithms, and trigonometric functions. Prerequisite or co-requisite: Mathematics 112. Two hours' credit.

111-112. Engineering Drawing. Instruction in the use of drafting instruments and equipment. Principles of projection drawing. Drafting practice, including sectional views, auxiliary views, and revolution. Dimensioning, sketching and lettering. Pictorial representation, including axonometric projection, oblique projection, and perspective. Two two-hour periods per week. Two hours' credit per semester.

211-212. Engineering Drawing. Application of multiview and pictorial methods to the representation of geometric solids. Problems in space relationships. Intersections and development of surfaces. American standard dimensioning practice including shop terms. Representations of gears, and piping. Detail and assembly drawings. A drafting project, including technical sketching, working drawings and prints. Prerequisite: Drawing 112. Two two-hour periods per week. Two hours' credit per semester.

For Teacher's Certificate

113. Arithmetic. Content course required for the elementary teacher's certificate. Systems of notation, number concept, the fundamental operations, emphasis on the decimal system of notation, decimal fractions, percentage, graphs and measurement. Two hours' credit. (Does not apply toward the major or minor.)

115. Fundamental Concepts of Mathematics. This course meets the requirement for certification for elementary teachers and high school teachers. Number systems, the Hindu-Arabic system, measurement, the function concept, limits, the nature of proof. Two hours' credit. (Does not apply toward the major or minor.)

PROGRAM IN NURSING

111. Fundamentals of Nursing. A course of lectures, conferences, observations and laboratory exercises designed to assist the student in developing an understanding of the broad concepts of nursing. The student is given an over-all perspective of normal health needs as well as the basic principles which serve as guides in planning and giving individualized nursing care. Experience is provided to develop basic bedside nursing skills. Lecture: Three hours. Laboratory: Three hours. Four hours' credit.

112. Maternal and Child Health. Experience is provided in the care of mothers, infants and children. The approach is made through an understanding of the normal maternity cycle and the well child. Through classroom and clinical experience the student gains:

1. Knowledge of the normal physical emotional and social growth and development of the child through the normal completion of the maternity cycle.

2. An understanding of the changes which occur during normal and abnormal antepartal, intrapartal, postpartal and neonatal.

3. A knowledge of the problems and deviations which influence and altar the normal course of motherhood and the child's development.

4. Skill in the use of nursing techniques. Pharmacology, diet therapy and group skills are integrated throughout the course. Lecture: Four hours. Laboratory: Nine hours. Prerequisite: Nursing 111. Seven hours' credit.

113. Psychiatric Nursing. The study of the interpersonal relationships between the nurse and the patient is integrated throughout the program in nursing. The course in psychiatric nursing is a study of psychodynamics to further understanding of personal behavior. Clinical experiences will provide the raw data from which students will analyze, formulate and validate meanings of behavior. Six hours' credit.

211. Medical and Surgical Nursing. This course provides a general knowledge of the basic scientific principles and techniques of nursing in planning and rendering patient-centered nursing care. Included are the basic concepts and principles related to the occurrence, symptoms, treatments, prevention and control of medical-surgical conditions. Areas of study include administration of medications and fluids, pre-operative and post-operative care, inhalation therapy, diagnostic tests and the circulatory, respiratory, digestive and genito-urinary systems. Special emphasis is on the application of scientific principles and techniques to new situations and to specific areas in the hospital laboratory. Lecture: Five hours. Laboratory: Twelve hours. Prerequisite: Nursing 111; Nursing 112; Nursing 113. Nine hours' credit.

212. Medical and Surgical Nursing. A continuation of Nursing 211. This course includes a study of the nursing care of patients of all age groups including children and older persons with the more complex medical and surgical conditions. These include neurological, ear, eye, endocrinological, skin, orthopedic, and blood disorders. Pharmacology and diet therapy are integrated throughout. Emphasis is placed upon the nursing needs of the individual in relation to his medical problems. Rehabilitation problems as well as problems of convalescence are considered. Students receive practice in special techniques and procedures involved in caring for these patients. Lecture: Four hours. Laboratory: Fifteen hours. Prerequisite: Nursing 111; Nursing 112; Nursing 113; Nursing 211. Nine hours' credit.

DEPARTMENT OF PHYSICS

It is the purpose of this department to help the student understand the workings behind many of the physical phenomena that occur around him every day. It is also to create an interest in him to realize and to utilize the powers of analysis in all aspects of life.

The courses in the physics department are designed to provide basic content for students classified as physics minors, non-science majors, pre-professionals, and those preparing to teach physics in high school. Included also are courses of general interest open to all students.

Students minoring in Physics must meet the following requirements:

I. Minor in Physics—18 hours

Six hours on the junior or senior levels.

111-2. Physical Science. A general education course broadly covering the physical science area by means of a thorough study of large concepts chosen for their integrative values. The course is non-mathematical. Credit will not count toward a minor in physics. Three lectures and one laboratory period per week. Four hours' credit per semester.

121. Elements of Physics. A study of mechanics, heat, and sound with emphasis on the fundamental concepts involved. This course is primarily for pre-professional students and others who are not majoring in one of the physical sciences or mathematics. It will not count as a laboratory science for those who are majoring in the physical sciences or mathematics, and it does not carry credit toward a minor in physics. Three lectures and one laboratory period per week. Four hours' credit.

122. Elements of Physics. A study of electricity, magnetism, light, and modern physics with emphasis on the fundamental concepts involved. This course is primarily for pre-professional students and others who are not majoring in one of the physical sciences or mathematics. It will not count as a laboratory science for those who are majoring in the physical sciences or mathematics and it does not carry credit toward a minor in physics. Three lectures and one laboratory period per week. Four hours' credit.

211. General Physics. A study of the fundamental relations of measurables in the topics of mechanics, heat, and sound using the notation of calculus where applicable. Primarily for majors in the physical sciences, mathematics, and engineering students.

Prerequisite or co-requisite: Math 211. Three lectures and one laboratory per week. Four hours' credit.

212. General Physics. A study of the fundamental relations of measurables in the topics of electricity, magnetism, light, and modern physics using the notation of calculus where applicable. Primarily for majors in the physical sciences, mathematics, and engineering students. Prerequisite: Math 211. Three lectures and one laboratory per week. Four hours' credit.

214. Acoustics. A study of the fundamentals of the production, transmission, reflection and absorption of sound. This course is primarily for music majors and does not carry credit toward a minor in physics. Four hours' credit.

313. Intermediate Mechanics. An introduction to the rectilinear and curvilinear dynamics of particles and larger bodies. A study is made of the applications of the laws of equilibrium to machines and structures. Three meetings weekly. Prerequisite: Physics 211 and Mathematics 211. Three hours' credit.

314. Intermediate Electricity and Magnetism. A study of electric and magnetic fields and circuits. Three meetings weekly. Prerequisite: Physics 212 and Mathematics 211. Three hours' credit.

315. Intermediate Heat. A study of pyrometry, thermometry, calorimetry, and change of state and an introduction to the laws of thermodynamics. Prerequisite: Physics 211 and Mathematics 211. Two hours' credit.

317. Physical Optics. A study of the principles of physical optics and the application of these principles. Prerequisite: Physics 212 and Mathematics 211. Two hours' credit.

318. Elementary Electronics. A study of vacuum tubes, circuits, thermonics, photo-electricity, et cetera. Prerequisite: Physics 212 and Mathematics 211. Two hours' credit.

319-20. Laboratory Practice. Special laboratory problems. One three-hour laboratory period per week. A student need not take both semesters of practice to receive credit for just the one. Prerequisite: Physics 212 and Mathematics 211. One hour's credit per semester.

323. Descriptive Astronomy. A brief introduction to astronomy designed for those wishing a general knowledge of the subject. A description of the members of the solar system and a brief

history of the subject showing its contribution to the progress of science. Not to apply toward a minor. There are no prerequisites. Two hours' credit.

411-2. Modern Physics. A year's course in the study of the atom with special thought given to spectra, the production of X-rays, natural and induced radioactivity, high energy machines, health physics, et cetera. Included also is a study of the men of modern physics. Prerequisite: Physics 212 and Mathematics 212. Three hours' credit per semester.

DIVISION OF SOCIAL SCIENCE

Since the social sciences are concerned with the origin and development of human society, and with the social, political, economic and cultural achievements of man they become a necessary part of a liberal (arts) education. The social sciences are related not only to the development of the individual but to human interrelationships and social interaction. The primary purpose of instruction in the social sciences is to enable the student to assume more effectively his responsibilities as a citizen and as a leader.

Economics
Business Administration
Business Education
Education
Geography
Health and Physical Education
Psychology
History
Political Science
Sociology

DEPARTMENT OF ECONOMICS, BUSINESS ADMINISTRATION, AND BUSINESS EDUCATION

The Department offers courses designed to provide adequate preparation for immediate employment in business, teaching, or Government Service. This program of the Department is no less concerned with providing students with a sound academic background to the end that they will be competent to pursue advanced study in graduate schools.

Course offerings are grouped under the general headings of Economics, Business Administration, and Business Education. Combinations of these courses, with appropriate choices among electives, may be arranged to suit the needs of the individual student. Requirements for the major and minor in these fields are given below:

I. Major in Economics — 27 hours

A. Economics 211-212

B. Economics 341-342

C. Economics 411-412

The remaining hours required for the major in Economics will be chosen in conference with the chairman of the Department. Bachelors of Arts with a major in Economics are advised to take Mathematics 111, 112, 114.

II. Major in Business Administration — 27 hours

A. Business Administration 211, 213

B. Ten hours must be in junior or senior level courses.

All students are urged to take Economics 211-212 and Economics 341, 342. The remaining hours required for the major in Business Administration will be chosen in conference with the chairman of the Department. Schedules may be arranged according to concentrations of work in Accounting, Finance, Management, or Marketing.

III. Minor in Economics — 18 hours

A. Economics 211-212

B. Six hours must be in junior or senior level courses.

IV. Minor in Business Administration — 18 hours

A. Business Administration 211-212

B. Six hours must be in junior or senior level courses

V. Minor in Business Education—18 hours

A. Business Education 111-112

B. Six hours must be in junior or senior level courses

Any high school graduate entering Union with at least one high school unit in typewriting or shorthand will be permitted to take a proficiency test in this area. No college credit is given on the basis of this test; however, it is accepted by the State Department of Education toward certification in Secretarial Science when submitted through the Registrar's Office.

A student who has completed a minimum of one year of shorthand or typewriting in high school, or the equivalent, should enroll for Secretarial Science 311—Shorthand Review, and Secretarial Science 211—Typing Review.

ECONOMICS

114. American Economic History. A study of American economic history from colonial times to the present. The main aim is to gain understanding of the emergence and development of modern economic institutions. The student is introduced to economics as a field of study. Three hours' credit.

*211-2. Principles of Economics. A survey of the fundamentals of Economics with special emphasis given to introductory analysis applied to problems of our economic organization. Three hours' credit per semester.

215. Personal Finance. Budgeting, introduction to investments, survey of principles of insurance and other economic problems of the individual or family. Three hours' credit.

327. Money and Banking. A study of the monetary system and banking institutions with emphasis on the determinants of the money supply and monetary policy. Prerequisite: Economics 211-212 or consent of instructor. Three hours' credit.

329. Public Finance. Theory and principles of public finance. Considers taxation and expenditure policies at all levels of government with particular attention given to the effect of these policies on individuals and the economy. Prerequisites: 211-212 or consent of the instructor. Three hours' credit.

*Reciprocal credit in Business Administration.

330. Foreign Trade. International Trade and Finance. Deals with United States tariff policy, foreign exchange markets, United States foreign economic policy, and the mechanisms available for international economic cooperation. Prerequisite: Economics 211-212 or consent of instructor. Three hours' credit.

*341-2. Economic Statistics. An introduction to the methods of collection, classification, analysis, and interpretation of business and economic data. Prerequisite: Mathematics 111 or consent of instructor. Three hours' credit per semester.

411-2. Intermediate Economic Analysis. A more advanced treatment of aggregative analysis and price theory. Contemporary problems are considered. Prerequisite: Economics 211-212 or consent of instructor. Three hours' credit per semester.

417. Development of Economic Thought. A study of the development of modern economic analysis with particular attention given to outstanding works of the past. Prerequisite: Economics 411-412 or consent of instructor. Three hours' credit.

418. Comparative Economic Systems. An analysis of the most important economic systems of the time. Economics 411-412 or consent of instructor. Three hours' credit.

431. Economics of Labor. Deals with wage theory, development of labor unions, collective bargaining, and the growth of a structure of labor law. Prerequisite: Economics 211-212 or consent of instructor. Three hours' credit.

442. Seminar in Economics. Designed for Seniors. Use of techniques of economic analysis in study or research in particular areas. Two hours' credit.

BUSINESS ADMINISTRATION

113. Introduction to Business. A survey of the general field of business with emphasis on types, forms, and operations of business organizations. Three hours' credit.

211-2. Principles of Accounting. An elementary course including study of professional accounting, sole proprietorships, partnerships, and a brief treatment of corporations. Three hours' credit per semester.

*Reciprocal credit in Business Administration.

312-3. Intermediate Accounting. An intensive study of the theory of accounts and its applications. Selected problems and readings on the various phases of accounting procedure. Prerequisite: Business Administration 211-212 or consent of instructor. Three hours' credit per semester.

314. Advanced Accounting Problems. Application of accounting theory to specialized problems of industry. Prerequisite: Business Administration 211-212 or consent of instructor. Two hours' credit.

315. Cost Accounting. A study of techniques which embrace an inquiry into methods of accounting for materials, labor and factory burden in job order and process cost systems. Prerequisite: Business Administration 211-212 or consent of instructor. Three hours' credit.

316. Auditing. A study of the theory of auditing, the valuation of assets, the analysis of accounting procedure, and the presentation of statements. Prerequisite: Business Administration 211-212 or consent of instructor. Three hours' credit.

317. Federal Income Tax Accounting. A study of the internal revenue code as it affects individuals, partnerships, fiduciaries, and corporations. Prerequisite: Business Administration 211-212. Three hours' credit.

318. Industrial Management and Organization. An introduction to the principles of planning, coordinating, and controlling the operations of an industrial enterprise with special study on types of business organizations. Three hours' credit.

319. Government and Business. A study of government implementation, regulation, and control of business enterprise. Prerequisite: Economics 211-212 or consent of instructor. Three hours' credit.

321-2. Business Law. A study of the principles of law frequently occurring in business transactions. Included are contracts, principal and agent, sales, partnerships, corporations, negotiable instruments and other legal concerns of business. Three hours' credit per semester.

324. Corporation Finance. A study of corporation and promotion, securities, capital structures, short-term and long-term financing, expansion, reorganization, and liquidation. Prerequisite: Business Administration 211-212. Three hours' credit.

328. Principles of Marketing. A course designed to introduce the student to the major institutions and the basic theoretical concepts of marketing. Prerequisite: Economics 211-212. Three hours' credit.

414. Retail Merchandising. A study of the merchandising policies, problems, and procedures of various types of retail institutions. Three hours' credit.

415. Salesmanship. A study of the principles of salesmanship and the application of these principles. Sales management is considered. Three hours' credit.

416. Advertising. A survey course in the functions, theory, and applications of advertising. Three hours' credit.

432. Personnel Management. A study of the methods used by business firms in the recruitment, training, remuneration and utilization of a work force. Prerequisite: Economics 431 or consent of instructor. Three hours' credit.

433. Seminar in Business Administration. Preparation of written report on reading and research in one of the major areas of Business Administration. Two hours' credit.

BUSINESS EDUCATION

111-2. Typewriting. A study of the standard keyboard with emphasis on correct position, vertical and horizontal centering, and drills for speed and accuracy. During the second semester different business forms and letters will be typed. Three hours' credit per course.

211. Typewriting. Designed for students who have had typewriting below the college level. A survey of the work normally covered in beginning typing. Three hours' credit.

212. Advanced Typewriting. Greater speed and accuracy is developed. Office forms and business letters are continued. Three hours' credit.

214. Office Appliances. A study of the use and practice in dictating, duplicating, adding and other machines. Prerequisite: Typewriting 111. Three hours' credit.

221-2. Shorthand. A study of the fundamentals of Gregg Shorthand. Prerequisite: Typewriting 112. Three hours' credit per course.

311. Shorthand Review. A review of brief forms and preliminary dictation from eighty to one hundred words a minute. Designed for students who have studied shorthand below the college level. Three hours' credit.

312. Advanced Shorthand. One hundred and one hundred and twenty word dictation. Special emphasis is given to accurate and mailable transcripts. Prerequisite: Secretarial Science 222 or 311. Three hours' credit.

320. Office Management. A study of the most scientific procedures and practices concerning office routine, scheduling work, personnel practices, supervision of employees, and physical equipment. Three hours' credit.

325. (313) Business Communication. Practice in the writing of different types of business letters with emphasis on effectiveness and the use of the language. Three hours' credit.

413. Advanced Secretarial Techniques. This course is designed for the development of secretaries capable of assuming responsibilities, exercising good business judgment, and carrying duties to their satisfactory conclusion. Two hours' credit.

414. Secretarial Office Practice. This course is designed to provide laboratory and office experience for seniors who will do secretarial work or teach commerce. Three hours' credit.

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

Offerings in the Department of Education and Psychology serve the following general purposes: to give students a better understanding of human relations and individual adjustment and to help them to apply these concepts in personal living; to provide knowledge in these fields essential for an area of concentrated study and for further advanced work; and to furnish the professional education necessary for prospective teachers.

Majors are offered in psychology and in elementary education, minors are offered in psychology and in secondary education. Students majoring or minoring in psychology or education must meet the following requirements:

I. Major in Psychology—27 hours
   A. Education 317 may be used as an elective.

II. Major in Elementary Education
   Students majoring in Elementary Education will meet requirements for teaching in the field as outlined on pages 116 and 117. Elementary education majors are not required to complete a minor. Students planning to teach in high school are referred to pages 116 and 117.

III. Minor in Psychology—21 hours
   A. Education 317 may be used as an elective.

IV. Minor in Secondary Education—23 hours
   A. Twelve hours in education
   B. Elective—nine hours in education or psychology
   C. Nine hours junior-senior courses
   D. Education 413
   E. Qualify for Tennessee Professional Certificate

The professional work in the teacher education program for positions both in high school and in the elementary grades is given on pages 118-119. Teachers wishing to renew certificates should consult the registrar.

EDUCATION

112. Using Books and Libraries. Lectures and problems on the make-up of books, Dewey classification, card catalog, magazine indexes, the more common reference books, and other library tools and services. Required of all Freshmen in the second semester. One-half hour's credit.

313. The Teaching of Social Studies and Science. A methods course dealing with teaching social studies and science in the elementary school. Emphasis on activities and units of work. Two hours' credit.

314. The Teaching of Arithmetic. A materials and methods course. A study is made of the arithmetic curriculum in the elementary grades. Emphasis is placed on the application of concepts and processes at the various grade levels. Two hours' credit.

315. The Teaching of Reading. This course is concerned with materials and methods in teaching reading in the elementary school. Interrelationships in the total language arts program are studied. A developmental program is stressed. Two hours' credit.

316. History and Philosophy of American Education. The main developments in American education are studied in the light of their historical and philosophical foundations. Two hours' credit.

317. Tests and Measurements. Deals with the theory of testing, construction of tests, and the administration and scoring of tests, acquaintance with the state testing program, and with commonly used statistical measures is provided for in the course. Prerequisite: Psychology 213. Three hours' credit.

319. Audio-Visual Materials in Education. The scope, history, and value of audio-visual materials; the operation, care, and use of equipment; intensive study by each student of material selected from his major field. Two hours' credit.

321. Principles and Methods of Teaching in Secondary Schools. A basic course in fundamentals of secondary school teaching with emphasis on the unit method. A study is also made of the secondary school as an institution in a democratic society and of the reorganizations that are taking place in this field. Prerequisite: Psychology 313 or consent of the instructor. Three hours' credit.

322. Library Materials and Service. A course designed to acquaint teachers with the school library both from the point of view of the teacher and the librarian. One hour's credit.

323. Educational Sociology. A study of the relation of the school to the community and other social institutions. Prerequisites: Sociology 211 or consent of the instructor. Two hours' credit.

411. Student Teaching in Elementary School. The purpose of the course is to provide for observation, participation, and student teaching under supervision. Classes meet daily and an addi-

tional hour must be reserved for a seminar. Prerequisites: An average grade of C both in academic subjects and in professional courses completed. Psychology 213, 218; methods courses in the areas where the teaching is to be done, and consent of Committee on Teacher Education. Six semester hours' credit.

413. Student Teaching In Secondary School. The purpose of this course is to provide for observation, participation and student teaching in the secondary school. Classes meet daily and an additional hour must be reserved for a seminar. Prerequisites: An average grade of C both in academic subjects and in professional courses completed; Psychology 313; Education 321 and consent of the Committee on Teacher Education. Students must be candidates for a professional certificate before enrolling for practice teaching. Six hours' credit.

415. Educational Laboratory. Advanced and/or experienced students are given opportunity to study and practice procedures used in dealing with children who have marked educational problems. Prerequisites: Psychology 213, 313. One or two hours' credit.

426. Guidance. This course is designed to integrate psychological principles as they specifically apply to counseling and guidance procedures. Emphasis placed upon practical methods and understanding of a guidance program, its organization and administration, individual needs of students, and the past, present and future outlook of guidance in educational institutions. Prerequisites: Psychology 213, either Psychology 413 or Education 317, or consent of the instructor. Three hours' credit.

Special Methods Courses in Secondary School Subjects

417. Teaching Art in Secondary School. A materials and methods course in the teaching of art. Two hours' credit.

418. Teaching Science. A course for majors and minors who plan to teach biology, physics, or chemistry in secondary school. Prerequisite: Twelve hours in Biology. Two hours' credit.

419. Teaching of Business Subjects. A materials and methods course in the teaching of general business subjects for those who plan to teach these subjects in secondary school. Two hours' credit.

420. Teaching English in Secondary School. A survey of methods and materials used in teaching English. Two hours' credit.

421. Teaching Health and Physical Education in Secondary School. The purpose of the course is to prepare the student to carry out the health and physical education program at the secondary school level. Two hours' credit.

422. Teaching of Mathematics in Secondary School. A course in methods for high school teachers of mathematics. Prerequisite or co-requisite: Mathematics 211. Two hours' credit.

423. Techniques in Modern Language Instruction. A study of principles, practices, and methods of teaching modern languages in secondary school. Prerequisite: 211 and 212 in the language studied. Two hours' credit.

424. High School Music Methods. A methods and materials course for those who plan to teach public school music and instrumental music in elementary and secondary school. Two hours lecture and two hours laboratory per week. Two hours' credit.

425. Teaching the Social Studies in Secondary School. A materials and methods course in the teaching of the social studies. Two hours' credit.

PSYCHOLOGY

111. Social Adjustment. This course is required of all freshmen—men and women. It deals with such fundamentals as etiquette, wardrobe, voice culture and other social adjustments necessary for the development of the total personality. ½ hour's credit.

213. General Psychology. A fundamental course in human behavior from the bio-social viewpoint. Demonstrations constitute a basic part of the work. Three hours' credit.

214. Psychology of Adjustment. Total adjustment is studied as it relates to personal development, educational experiences, vocational choices, home and family living, and social adaptations. Two hours' credit.

218. Child Development. A study of the various phases of development of the individual from the prenatal stage through the elementary school years. Prerequisite: Psychology 213. Three hours' credit.

313. Educational Psychology. An intensive study is made of the learning process, including a consideration of learning theories. This study is related to such topics as development and environmental influences. Prerequisite: Psychology 213. Two hours' credit.

315. History of Psychology. A survey of the development of psychology from its early beginning to the present time, with emphasis upon the various schools of psychology and contributions of outstanding men. Prerequisite: Psychology 213. Three hours' credit.

317. Abnormal Psychology. Topics studied will include: causes and types of abnormal phenomena, mental hygiene and therapeutic methods. Prerequisite: Psychology 213. Three hours' credit.

319. Adolescent Development. A study of the various phases of development of the individual covering the junior and senior high school age groups. Prerequisite: Psychology 213. Three hours' credit.

411. Elementary Statistics. A study of the basic statistical measures and concepts helpful in understanding experimental design and the reports of experiments in psychology and education; a study of averages, measures of variability, coefficient of correlation, sampling error, levels of confidence, and other related concepts. Prerequisite: Psychology 213 and consent of instructor. Three hours' credit.

412. Experimental Psychology. A course designed primarily to cover both theoretical and practical aspects of experimental psychology. Emphasis is placed upon evaluating and understanding experimental designs and results, practical applications of theoretical concepts and principles through the use of individual and class projects, research techniques, written reports of projects and readings in research journals. Use will also be made of experimental psychological apparatuses. Prerequisites: Psychology 213, 411, or consent of the instructor. Three hours' credit.

413. Psychological Measurements. The student will study the nature, administration, and interpretation of intelligence tests, interest tests, personality tests, and aptitude tests. Prerequisites: Psychology 213, 313, and 411 or Education 317. Three hours' credit.

418. Social Psychology. A survey of the factors which underlie the development of social behavior, the social aspects of personality development and the interaction between the individual and groups. Prerequisite: Psychology 213. Two hours' credit.

419. Seminar. Designed to cover some of the various areas of Psychology in considerable detail, specific topics to be selected by students under the supervision of instructor. Oral reports will usually be made by students, necessitating outside readings. No specific text will be used for this course and provisions may be made for individual and/or group projects. Prerequisites: Psychology 213 and permission of instructor, senior standing. Two hours' credit.

DEPARTMENT OF HISTORY

The Department of History offers courses which are designed to meet both cultural and professional objectives. They attempt to give the student a discriminating knowledge of the past by encouraging an understanding of other times according to the standards of those times and by evaluating institutions and movements in the light of their effects upon later developments. The historical approach to the understanding of current problems is desirable for those who expect to enter such professions as teaching, the ministry, the law, journalism, social work, the foreign service or politics. It is also useful for those who are seeking a broad, general education as a background for good living.

Students majoring or minoring in history must meet the following requirements:

I. History major—30 hours
   A. History 111-2, 211-2.
   B. Ten hours must be junior and senior level courses.

II. History minor—18 hours
   A. History 111-2, 211-2.
   B. Six hours must be junior and senior level courses.

HISTORY

111. Europe, 376 to 1660. Survey of cultural, economic, political, religious, and social developments. Three hours' credit.

112. Europe, 1660 to the Present. A continuation of History 111. Three hours' credit.

211. The United States, 1492 to 1865. A survey of political, social, and economic developments particularly as they reflect the development of the American democratic tradition. Three hours' credit.

212. The United States, 1865 to the Present. A continuation of History 211. Three hours' credit.

213. Ancient Greece and the Near East. Early Minoan civilization, rise of the Greek city-state, political and social history through the Hellenistic period. Three hours' credit.

214. Rome and the West. Roman conquest of Italy; rise and decline of the republic; rise of the empire; contribution to western civilization. Three hours' credit.

311. History of England to the Eighteenth Century. A study of the origin and growth of the English people from ancient times to the eighteenth century. Emphasis is placed on constitutional developments. Prerequisite: History 111 or consent of the instructor. Three hours' credit.

312. England from the Eighteenth Century to the Present. Stress is placed upon main currents of thought, constitutional changes, the rise of parliament, and imperial policy. Prerequisites: History 112 or consent of the instructor. Three hours' credit.

314. Introduction to International Relations. See Political Science 314 for description.

315. History of Tennessee. The political, constitutional, social, and economic history of Tennessee from 1796 to the present. Two hours' credit.

316. Renaissance and Reformation. Northern, southern, and high renaissance; reformation, counter-reformation, and Protestantism. Three hours' credit.

317. The French Revolution. A study of the background, personalities and events of the revolution, the Napoleonic Wars, and the Congress of Vienna. Three hours' credit.

321. Nineteenth Century Europe. The history of the chief social and political developments from the Congress of Vienna to the close of the Nineteenth century. Prerequisite: History 112 or consent of the instructor. Three hours' credit.

322. Twentieth Century Europe. The history of the chief social and political developments since 1900 with an emphasis on international relations. Prerequisite: History 112 or consent of the instructor. Three hours' credit.

323. Church History. See Religion 323 for description.

324. Church History. See Religion 324 for description.

*325-6. Current Events. An analytic study of state, national, and international events. Readings from newspapers and magazines. Students may enroll on a non-credit basis. One hour's credit per semester.

330. Colonial America, 1607-1763. Political, economic, cultural, and military developments in the thirteen colonies. Three semester hours' credit.

*No credit allowed toward core curriculum requirements or a history major or minor.

331. The American Revolution, 1763-1815. Political, intellectual, economic, and military developments in the formation of a permanent American union. Three semester hours' credit.

411. History of American Diplomacy. A survey of the most significant developments of American foreign policy with an emphasis on problems arising from the emergence of the United States as a world power. Prerequisite: History 211. Three hours' credit.

417. The South. The Old and the New South, 1607 to the present. Prerequisite: History 211 and 212 or consent of the instructor. Three hours' credit.

418. Tsarist Russia. A study of the social, cultural and political developments from the coming of the Varangians to the Bolshevik Revolution. Three hours' credit.

419. Soviet Russia. A study of the political, social, economic, and diplomatic developments from the Bolshevik Revolution to the present. Three hours' credit.

423. Social and Intellectual History of the United States. Social and intellectual cross currents in American history beginning with colonial America. Occupations, recreation, religious movements, Utopias, reform movements, immigration, labor, Social Darwinism, etc. Prerequisite: History 211-12. Three hours' credit.

424. The Middle Period of American History, 1815-1860. An intensive study of the political, diplomatic, economic and intellectual history of the period. Basically philosophic in nature, the course will include such topics as political institutions, the rise of Jacksonian Democracy, the Whig Party, the development of the slavery controversy, the role of art, education, religion, labor, etc., in the period and significant personalities. Three hours' credit.

431. Senior Seminar. A study of the philosophy of history and an intensive survey of the recent literature in the field. Two hours' credit.

SOCIOLOGY

Students majoring or minoring in sociology must meet the following requirements:

I. Sociology major—26 semester hours
   A. Sociology 211, 417
   B. Twelve hours must be junior and senior level.

II. Sociology minor—18 semester hours
   A. Sociology 211, 417
   B. Six hours must be junior and senior level.

211. Principles of Sociology. A survey of sociology in an effort to master the principles and laws found in social relations. Three hours' credit.

213. Social Problems. A practical introduction to some of the specific contemporary social problems. Three hours' credit.

313. The Family. A course planned to provide background and understanding concerning the trends and problems of marriage and family life. Prerequisite: Sociology 211 or consent of instructor. Three hours' credit.

314. Rural Sociology. An intensive course in the elements of rural life to meet the needs of rural teachers, pastors, and other rural community workers. Two hours' credit.

315. The American Community. A course planned to help the student obtain insight into American community life. Three hours' credit.

316. Crime and Delinquency. A study of the sources of crime and delinquency, theories of punishment, treatment of crime, etc. Three hours' credit.

317. Urban Sociology. A study of the growth of cities, the social processes and social organization of the city and their effect on people. Two hours' credit.

318. Industrial Sociology. A study of the influences on society and on the individual of complex organizations in the business and industrial community, how these function, and how they accommodate to each other. Two hours' credit.

323. Educational Sociology. See Education 323 for description. Two hours' credit.

415. Population Problems. A study of the social implications of changing birth rates, population shifts, population pressures, etc. Two hours' credit.

417. The History of Social Thought. A survey of the origin and development of social thought with an emphasis on contemporary social theory. Prerequisite: Sociology 211 or consent of the instructor. Three hours' credit.

418. Social Psychology. See Psychology 418 for course description. Prerequisite: Sociology 211 or consent of instructor. Two hours' credit.

419. Minorities in American Society. The sociological significance of minorities in American society will be studied. Attention will be given to national, religious and ethnic minorities in the United

States. Certain problem areas will be examined. Three hours' credit.

420. Introduction to the Field of Social Work. The field of social work will be surveyed in terms of its objectives; its sponsorship; its methods; social case work, etc. Two hours' credit.

POLITICAL SCIENCE

211. American National Government. A study of the development, structure, and operation of our national government. Three hours' credit.

212. American Government. A continuation of Political Science 211, including a survey of the constitutional status of the states, their internal structure and processes of operation. The functions of the county and municipality are examined in the light of present trends toward centralization. Three hours' credit.

313. Political Parties and Electoral Problems. A study of the nature, development and functioning of political parties in the United States. Attention is given to leaders, issues, and problems of our party system. Prerequisite: Political Science 211 or consent of instructor. Two hours' credit.

314. Introduction to International Relations. This course is designed to deal with the basic concepts of international politics, dealing specifically with elements and problems of national power, diplomacy and warfare, vital interests of nations and their relations to diplomacy and policy. It will include a study of economic problems of international policy, balances of power, alliances and international organizations. Three hours' credit.

GEOGRAPHY

213. Elements of Geography. A basic course emphasizing the physical aspects. Two hours' credit.

311. Geography of North America. An interpretive study of the natural regions and their influence on the economic life of man with an emphasis on the historical development. Three hours' credit.

313. Human Geography. This course is an introduction to the field of human geography. It is a study of peoples and their works, the place or site, and the specific time. The course will be set in historical and world perspective. Three hours' credit.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

The Department of Health and Physical Education believes physical education to be that part of the total school program which adds its unique contribution primarily through the medium of large muscles activity; with the acquisition of motor skills of interest to youth and of value in later life recreational activities; and with the development of socially desirable habits, attitudes, and knowledge which contributes to the aims of education.

The aims of the Health and Physical Education Department are as follows: to build a basis in scientific information for good health attitudes and habits; to guide youth in the conservation and improvement of their own health and fitness; to cultivate in the student socially desirable attitudes and traits, to offer opportunity for recreation; to emphasize the acquiring of skills in recreational physical activities that can be used pleasantly and profitably in later life; to prepare teachers (coaches), health educators, supervisors, administrators and other specialists in the fields of school and community health, physical education, and recreation.

The Department of Health and Physical Education is aware that since the emphasis in education is being placed on the complete development of each individual, students should be brought to realize the importance of that part of their education which comes through participation in physical activities. With this purpose in mind, the following program of Physical Education is required of all students: (1) Four semesters of required Physical Education. (2) These courses must be completed as follows: two semesters in the freshman year, two semesters in the sophomore year. (3) There may not be any repetition in required courses.

Students majoring or minoring in Health and Physical Education must meet the following requirements:

I. Major in Health and Physical Education—30 hours
   A. Health—12
   B. Physical Education—15
      1. Physical Education 321, 414, 416, 417, 419
      2. Thirteen hours must be junior and senior courses.
      3. Students preparing for teacher certification in this area will take the following courses in addition to prescribed major requirements: Physical Education 421-2; Health 323, 325, 327.
   C. Natural Science—Biology 111, 112, 311 and 312.

II. Minor in Health and Physical Education—21 hours
   A. Health—9
   B. Physical Education—12
      1. Physical Education 321, 414, 416, 417, 419
      2. Eleven hours must be junior and senior courses.

BASIC INSTRUCTION*

101. Introduction to Physical Activity. One lecture and two laboratory periods per week. One hour's credit.
102. Prescribed Exercise. Prerequisite: assignment by Health Service. One hour's credit.
103. Beginning Swimming. Non-swimmer. Those who cannot swim 25 yards including confidence stop for 10 seconds. One hour's credit.
104. Intermediate Swimming. Prerequisite: swim 25 yards including confidence stop for 10 seconds and is not qualified for P.E. 105 or 106. One hour's credit.
105. Life Saving. Prerequisite: ability to swim ½ mile non-stop including 100 yards each in good form—side stroke, breast stroke, and front crawl—and 20 yards underwater. One hour's credit.
106. Water Safety American Red Cross Instructor Training. Prerequisite: strong swimmer who has current American Red Cross Senior Life Saving Authorization card. One hour's credit.
107. Beginning Gymnastics. One hour's credit.
108. Intermediate Gymnastics. One hour's credit.
109. Wrestling for Men. One hour's credit.
110. Weight Lifting for Men. One hour's credit.
111. Volleyball. One hour's credit.
112. Tennis. One hour's credit.
113. Golf. One hour's credit.
114. Archery. One hour's credit.
115. Bowling. One hour's credit.
116. Soccer for Men. One hour's credit.
117. Field Sports for Women. One hour's credit.
118. Small Area Sports for Men. One hour's credit.
119. Track and Field. One hour's credit.
120. Self Protection. One hour's credit.
209. Professional Orientation. An introduction to the field of physical education for the professional student. Two hours credit.

*Physical Education 101 must be taken in the freshmen year. The course is an introduction to the basic physiological and anatomical foundations of physical activity.

210-219. Methods of Teaching the Skills and Techniques of the following courses:

210. Fitness Programs. One hour's credit.

211. Swimming. One hour's credit.

212. Track and Field. One hour's credit.

213. Wrestling. One hour's credit.

214. Gymnastics. One hour's credit.

215. Golf and Tennis. One hour's credit.

216. Baseball. One hour's credit.

217. Basketball. One hour's credit.

218. Football. One hour's credit.

219. Field Sports. One hour's credit.

220. Physical Education in the Elementary Schools. Techniques of teaching with curriculum planning, including selection of material suitable for different age levels in grades one through eight. Two hours' credit.

221. Recreational Sports and Games. Games of low organization, classified according to age levels for playground and classroom; mass games, relays, story play, mimetics, singing games, and stunts. Opportunities are given students to teach under directed supervision. Two hours' credit.

224. Programs, Pageants, and Festivals. A study of the organization and production of play days, festivals, pageants, programs for schools and P.T.A. meeting, and problems in stage planning and financing will be studied. Three hours' credit.

310. Inspection Trip. Observation trip to observe typical physical education programs in practice. No credit.

311. Adapted Physical Education. Techniques of teaching modified or adapted physical education for the handicapped student. Two hours' credit.

317. Organization and Administration of Intramurals. A study of the problems involved in planning, organizing, and directing a coordinated program of recreation within the school. Attention is given to units, time, activities, points, awards, rules, finances, publicity, co-recreation, and other administrative problems. Three hours' credit.

318. Athletic Injuries. Theory and practice in treating the more common injuries in physical education and athletic activities.

Attention will be given to massage, bandaging, treatment of sprains, bruises and wounds; diet and conditioning of athletes. Experience in the training room will be given. Three hours' credit.

319. Officiating Major and Minor Sports. Emphasis is placed upon techniques and mechanics of officiating and the interpreting of the official rules concerning major sports. This course will prepare you for membership in local or state officials' association. Two hours' credit.

320. Community Play and Recreation. Discussion and handling of playground and adult recreation under supervision. This covers types of play area, playground layout, design, construction, management, supervision and care of equipment. Open to non-majors. Two hours' credit.

321. History and Principles of Physical Education. A study of the historical background, general scope, principles, and objectives of health and physical education in its relationship to education as a whole. Two hours' credit.

322. Rhythms. A practical activity course for teaching rhythmical activities to pupils in the elementary and secondary schools. Two hours' credit.

414. Kinesiology. A study of the muscles of the body, their origin and insertion and how they are used when certain skills are performed. Prerequisite: Biology 311. Three hours' credit.

415. Physiology of Exercise. A study of the scientific basis of sports and games with special emphasis in the cardiovascular and respiratory area. Prerequisite: Biology 311 and 312. Three hours' credit.

416. Tests and Measurements in Health and Physical Education. A course designed to acquaint the prospective teacher with basic statistical procedures, the use of standardized tests, norms, screening tests, grading procedures, and test construction for all skills and lecture materials pertaining to health and physical education. Prerequisite: senior standing. Three hours' credit.

417-8. Observation and Teaching. This course is designed to give students in their junior or senior year practical teaching experience as a lead-up to the actual course in practice teaching in the senior year. The student will be assigned to a member of the physi-

cal education staff as assistant in one of the required physical education classes. He will critically observe the teacher as well as assist in teaching. All students who sign for this course will meet as a group one period a week for a discussion of problems arising from their observation and teaching assignment. One hour credit per semester.

419. Organization and Administration of Physical Education. A course designed for majors in physical education. The course deals with the administrative problems in a department of physical education in the city school system, rural district, elementary and high school, and colleges. Three hours' credit.

421-2. Physical Education in the High School. Techniques of teaching with curriculum planning, including selection of material suitable for different age levels in grades seven through twelve. Three hours' credit per semester.

423. Seminar in Health and Physical Education. A course designed to acquaint the major with the journals, abstracts, and other research tools available and to improve the ability to utilize these materials in teaching. Prerequisite: Senior standing in Health and Physical Education. One hour credit.

HEALTH

113. Elementary Nutrition. A study of the elementary principles of nutrition and their application to the individual and the family. Three hours' credit.

222. First Aid. A course related to the study of the methods of giving first aid. The standard and advanced American Red Cross First Aid Certificates are awarded to students completing this course. Two hours' credit.

323. School Health Education. A study of the aims, methods and materials for teaching health in the schools. The course includes the study of human relations, including such areas as mental hygiene, family relations, and community relations. Three hours' credit.

324. Personal Hygiene and Nutrition. A study of the care of the body in respect to structure and functioning. Three hours' credit.

325. Problems in Family, School and Community Health. The purpose of this course is to provide an opportunity for the student to participate in individual or group study in specialized problems which have been identified in the health area. Two hours' credit.

326. Health Education in Elementary School. The purpose of the course is to supply a background in health education essential to the teacher in the elementary school. Methods of health instruction are included. Three hours' credit.

327. Environmental Sanitation. This course deals with the problems of general sanitation, water supply, waste disposal, insect and rodent control, sanitary control of milk and foods, school and restaurant sanitation, and inspection services. Emphasis is placed on problems in house heating, ventilations, and lighting. Specialists in these fields will be used for lectures. Field trips will supplement textbook and reading assignments. Three hours' credit.

ACADEMIC PROGRAM

Guidance and Counselling

Academic Regulations

Academic Requirements

Student Life

History of the University

The purpose of liberal education is the development of understanding, the cultivation of insight, and the guidance of action so as to fit the student for living in, adjusting himself to, and becoming effectual toward changes for betterment in a contemporary world. Freedom and daring of thought are central in the whole process of liberal education.

W. F. Jones

GUIDANCE AND COUNSELLING

Guidance And Testing Service

GUIDANCE and counselling have constituted an integral and important place in the program of every good teacher since the beginning of the art. Only recently, however, has this area of work become an organized procedure in our educational system.

Guidance at Union University consists of a program of activities dealing with all areas of student life in which the assistance of mature persons might be beneficial. A program of testing for freshmen, includes tests of general mental ability, English, mathematics, and reading. On the basis of these tests, students are classified according to their needs, and remedial work in reading and English is offered. This service further provides for laboratory experience in reading on a developmental basis, which is open to all students. Available also in the testing laboratory are aptitude, achievement, general ability and various physical tests. Courses in psychological adjustment and orientation are offered, and a carefully planned program of counselling with reference to problems of a personal, educational, and vocational nature is carried out.

A director of guidance co-ordinates the work, but all teachers and staff members are held responsible for guidance whenever and wherever it is needed. Care is exercised to encourage and lead students to accept their responsibilities in the adjustment and solution of their own particular problems.

Union University is authorized to administer the General Education Development tests to veterans and other adults twenty-one years of age or older.

All students who have not been enrolled previously in Union University are required to complete a battery of prescribed tests as follows:

(a) Freshmen at admission or on dates specified by the director of testing.

(b) Transfers during first semester as prescribed by the director of testing.

Pre-Professional and Professional Curricula

Liberal Arts-Professional Degrees

Students who complete the pre-professional requirements, the prescribed work for degree including major and minor requirements and three years residence acceptable to Union University before entering a school of medicine, pharmacy, dentistry, medical technology, engineering, or law may receive the Bachelor's Degree upon completing one year in an approved

professional school. Union University in cooperation with the Baptist Memorial Hospital and Jackson-Madison County General Hospital offers a four-year course leading to a Bachelor of Science Degree in Medical Technology to be awarded by Union University. The fourth year of this work is taken at the Baptist Memorial Hospital or Jackson Madison County General. All work toward the arts-professional degree must be certified to Union University by April 1 preceding the commencement and application for graduation filed with the registrar's office by October 15, preceding.

Pre-Legal Course

The pre-legal course at Union University is designed to meet the requirements of most law schools in Tennessee and adjoining states. In the event a change of plans or decision warrants continued college work over an extended period, the course follows the general plan of work leading to a degree.

	Semester Hours
English 111, 112, 211, 212	12
History 211, 212	6
Political Science, Sociology or Economics	6
Psychology 213	3
Mathematics or Laboratory Science	8
Language	14
Art 111, Speech 113, Music 216 (any two)	4
Business Administration 211, 212	6
Speech 213	3
Physical Education	2
Religion	6
Electives (Major or Minor)	26
	96

Three-Year Engineering Course

By co-operative agreement with the University of Tennessee a student completing three years as outlined below may transfer to the College of Engineering at the University of Tennessee.

The following three-year program is suggested for students at Union University to be followed by two years in the College of Engineering at the University of Tennessee.* Upon the successful completion of the first year of prescribed study at the University of Tennessee, the student will be awarded the B.S. degree by Union University and will receive the B.S. in Engineering from the University of Tennessee upon the successful completion of his second year of study.

*A similar program may be pursued with other recognized engineering schools with the approval of the Engineering Coordinator of Union University.

Freshman Year	*Semester Hours*
English 111-112	6
Chemistry 111-112	8
Mathematics 111-112, 114	10
Art 111	2
Psychology 111 and Education 112	1
Engineering Drawing 111-112	4
History 211 or 212	3
Basic Physical Education	2
Total	36

Sophomore Year	*Semester Hours*
English 211-212	6
Mathematics 211-212	8
Physics 211-212	8
Engineering Drawing 211-212	4
Engineering Problems 115	2
Religion	6
Basic Physical Education	2
Total	36

Junior Year	*Semester Hours*
Physics 313-314 (6) or Chemistry 311-312 (8)	6 or 8
Mathematics 313-314-414	9
Engineering 114	2
Speech 213	3
Psychology 213	3
Economics 211-212	6
Elective Fine Arts	2
Elective in Social Science	2
General Electives	2 or 0
Total	36

Students who wish to study Chemical Engineering should take a second year of chemistry; those who wish to take Industrial Engineering should elect a year of accounting.

Pre-Medical Course

The University of Tennessee School of Medicine and Vanderbilt University require three years of college work for entrance into the school of medicine. Medical schools, in general, emphasize the need for a broad, deep, cultural background in preparatory work, preferably the bachelor's degree, with special emphasis on the subjects in the following outline.

	Semester Hours
Chemistry 111, 112, 311, 312 plus 3 hours from 211, 212, 411, 412	19
Mathematics 111, 112	6
Biology 111, 112, 314	12
English 111, 112	6
French or German	14
Physics 121, 122	8
Psychology 213	3
Electives	35
	103

Pre-Dental Course

	Semester Hours
Chemistry 111, 112, 311, 312	16
Mathematics 111, 112	6
Biology 111, 112, 213	12
English 111, 112	6
Physics 121, 122	8
Electives	22
	70

Pre-Pharmacy Course

	Semester Hours
English 111, 112, 211	9
Speech 213	3
Biology 111, 112, 113	12
Physics 121, 122	8
Chemistry 111, 112, 311, 312	16
Social Science	4
Electives	8
	60

Pre-Medical Technology

	Semester Hours
Biology 111, 112, 213 or 311 and 312	12 or 14
Chemistry 111, 112, 211, 311, 312	19
English 111, 112	6
Mathematics 111, 112	6
Electives	53 or 51
	96

Pre-Nursing Course

	Semester Hours
Chemistry 111, 112, 311, 312	16
Biology 111, 112	8
Mathematics 111, 112	6
English 111, 112, 211, 212	12
History 111, 211	6
Political Science 211	3
Psychology 213, 214	5
Speech 213	3
*Electives	9
Total	68

NURSING

Philosophy

The program in nursing at Union University functions within the general policies, purposes and standards of the college.

Recognition of the importance of and the respect for the individual, whether a student, patient, or other person is the guiding philosophy of the faculty member and student alike, as they work together at the bedside of the patient.

Through the establishment of a patient-centered curriculum with emphasis on the provision of individualized nursing care for persons with

*Electives should be selected to include other required courses for Bachelor of Science Degree in the event the student decides to complete the requirements for the liberal arts degree prior to entering the school of nursing.

a health problem, the student, by use of a problem-solving approach, develops her intellect toward rational thinking.

Nursing, as a social force, is a learned profession dedicated to service for society. Therefore, preparation for nursing is in harmony with the objectives of a Christian college—as Union University.

Principles

1. The curriculum is based on planned learning experiences organized around basic nursing problems. This offers an opportunity to challenge the student to learn and to give patient-centered care.

2. Such subject areas as pharmacology, diet therapy, communicable diseases, history of nursing, and professional trends are integrated throughout the nursing courses. The content and clinical experience is planned to move from the normal to the abnormal, and from the simple to the complex. Clinical experiences are carefully selected by the college nursing faculty and unnecessary repetitive experiences are eliminated. Intensive educational use of clinical experiences includes time for analysis of such experiences. All clinical periods are under the direct supervision of the college faculty who select, supervise and direct student discussions and analysis of the daily assignments.

3. Careful selection of experiences which include continuous guidance by the instructors at the bedside are means of keeping clinical experience orientated in direction of student learning needs. Focus is on the quality of learning rather than the length of time the student is exposed to a learning situation.

4. The student is encouraged to use her nursing knowledge, understanding, and skills in a problem-solving process so that the student might develop a broad interpretation of nursing as a social service provided by a profession for people with a health problem.

5. Upon the successful completion of this program, the student is expected to have the ability to develop a plan of care that provides the kind of bedside nursing needed by the individual patient.

Admissions Requirements

Admissions requirements are the same in any other program of study at Union University except that in addition, the interested student must have a personal interview with the Director of the Program before being admitted to the program in nursing.

Transfer Students

Since this program is a newer concept in the preparation of persons for bedside nursing, transfer students are considered on an individual

basis. However, it is not possible to complete the courses in nursing in less than the time prescribed.

Requirements for Graduation From the Program in Nursing

The program is two school years and one summer session in length. The student is required to follow the prescribed pattern of study in the sequence as described in the outline.

Successful completion of the program means that the student has successfully passed all of the courses, academic and professional, and has a total of seventy-four (74) quality points. A "C" grade in each nursing course is required before promotion to the next nursing course.

Status of Graduate in Nursing

Upon successful completion of the program in Nursing, the student is awarded an Associate of Arts in Nursing by Union University.

Since this program is approved by the Tennessee Board of Nursing, the graduate is eligible to take the State Board of Nursing Examinations for license to practice as a Registered Nurse (R.N.) in Tennessee.

Tuition, Fees, and Special Costs

See section on Financial Information for tuition, fees, etc. In addition, the following special costs are included:

Insurance fee ..... $5.00 per year
Uniform costs ..... $12.50 first semester
$12.50 second semester
White hose
White shoes
Books—$35.00 additional to estimated cost for regular courses
Watch with a second hand
Bandage scissors $5.00
Name pin $1.00
Transportation to and from the nursing laboratory

COURSE OF STUDY FOR THE TWO-YEAR NURSING PROGRAM
FIRST YEAR

Fall Semester	*Semester Hours*
Chemistry 111—General Chemistry	4
English 111—English Composition	3
Health 113—Nutrition	3
Nursing 111—Fundamentals of Nursing	4
Psychology 213—General Psychology	3
TOTAL	17

Spring Semester	*Semester Hours*
Biology 112—General Biology	4
English 112—English Composition	3
Nursing 112—Maternal and Child Health	7
Psychology 218—Developmental Psychology	3
TOTAL	17

First Summer	*Semester Hours*
Biology 213—Bacteriology	4
Nursing 113—Psychiatric Nursing	6
TOTAL	10

SECOND YEAR

Fall Semester	*Semester Hours*
Biology 311—Anatomy and Physiology	3
Nursing 211—Medical and Surgical Nursing	9
Sociology 211—Principles of Sociology	3
TOTAL	15

Spring Semester	*Semester Hours*
Biology 312—Anatomy and Physiology	3
Nursing 212—Medical and Surgical Nursing	9
Religion 111—Old Testament Survey or Religion 216—Life of Christ	3
TOTAL	15

TEACHER EDUCATION

Union University accepts teacher education as one of its objectives. The program for teachers as outlined below is in conformity with the new regulations for certification of teachers in Tennessee adopted by the State Board of Education, August 7, 1959.

The Committee on Teacher Education is appointed by the Dean of the college. Its function is to formulate policies and coordinate the Teacher Education Program. The committee will work for selective recruitment, admission, and retention of students for and in teacher education.

As soon as possible after the completion of forty-five semester hours, the student pursuing a teacher education curriculum must apply to the committee on Teacher Education for the purpose of admission to professional training.

In order to be admitted to the teacher education program, a student must have achieved a quality-point average of 1.0 or above.

Transfer students and those who decide later in their college career to enter teacher education, must meet all of the above prerequisites. Transfer students who have done their degree work at some other institution must do at least six hours of course work in their teaching field at Union University in order to be recommended for certification.

Program for Teachers

I

Elementary and High School

The work of the freshman and sophomore years is the same for all groups. The work of the junior and senior years is differentiated for

teaching positions in elementary and high school areas. Students completing the freshman and sophomore years as outlined below will meet curriculum requirements for the Teachers' Emergency Certificate in Tennessee. Prospective teachers must also possess basic character and personality qualifications.

Freshman Year	*Semester Hours*
English 111, 112	6
Natural Science	8
*Mathematics 111, 112, or 115	6 or 2
or	
Foreign Language	8
Psychology 111 and Education 112	1
Art 111	2
**Basic Physical Education	2
Religion 111, 112, or 216, 217	6
***Electives	3
Total	35

Sophomore Year	*Semester Hours*
English 211, 212	6
Natural Science	8
or	
Foreign Language	6
Basic Physical Education	2
History 211 or 212	3
Psychology 213, 214	5
Political Science 211 or Social Science elective	3
Health Education 324	3
Music 216	2
Geography 213	2
Total	32-34

II

Elementary Teachers

Students who continue the curriculum for teachers through their junior and senior years and complete the work as outlined below will meet requirements for a Teachers' Professional Certificate in Tennessee, grades 1-9.

A. All requirements for the A.B. or B.S. degree.

B. Twenty-three semester hours of professional work: Psychology 313 and 218; Education 313, 314, 315, 316, 319, 323 and 411.

*Math 115 and Foreign Language required for A.B. degree.

**Students excused from required physical education will elect other courses in physical education.

***For A.B. degree only.

C. Twenty-six semester hours in the subject matter fields listed below:
   1. Language Arts: English 216, Speech 213, and Education 322.
   2. Natural Science: Physics 112.
   3. Humanities: Art 215, Music 457.
   4. Health and Physical Education: Physical Education 220; Health Education 326.
   5. Social Studies: Geography 311; History 315.
   6. Mathematics: Mathematics 113.

D. The minor is automatically included in this curriculum.

III

Secondary School Teachers

Students who continue the teacher curriculum throughout their junior and senior years and complete the work as outlined below will meet requirements for a Teachers' Professional Certificate in Tennessee, in selected subject fields, grades 7-12.

A. All requirements for the A.B., B.S., or B.M. degrees. A student preparing to teach in Secondary School will select a major in the area in which he plans to teach.

B. Twenty-three semester hours of professional work. Psychology 313 and 319; Education 317, 321, and 413, plus two semester hours of a materials and methods course in the subject matter field in which the student will be certified; also a student must complete a minimum of four (4) semester hours from Education 316, 319, 323, or 426.

C. Since the number and distribution of semester hours required in each of the subjects, in which it is desired to certify, will vary among the different subject fields, the student will plan his work in consultation with his advisor and a member of the department of education or the registrar.

   Practice teaching (Education 411, or Education 413) will be offered during fall and spring semester. Before a student may enroll for practice teaching he must satisfy all the prerequisites as listed with the course description in the department of education and psychology that relate to practice teaching.

Teachers' Temporary Certificate

1. Conditions for Issuance of Certificate.
   a. The applicant must have completed four semesters of college work with not less than 60 semester hours' credit including a mini-

mum of 30 semester hours' credit in general education with an academic average of C.

b. The applicant must have completed a minimum of 4 semester hours of professional education including a group of experiences designed to develop an understanding of the concepts underlying human growth and development.

c. The applicant has not previously been issued a Tennessee Temporary Certificate.

Religious Education

There appears to be an enlarging field of service for church secretaries, music and religious education directors or a combination of these. Union University seeks to serve the interest of the churches by providing opportunity for training on the college level in these various areas.

The following suggested areas of study are a composite from which students may choose in accordance with their major fields of interest. These areas primarily include the fields of English, Music, Business Education, Religion and Religious Education. The individual, in conference with his adviser, will choose his area of concentration in accordance with his specific purposes in preparation.

Placement Bureau

Although a considerable number of each senior class at Union go on to graduate study, many enter directly upon their careers. The Dean of Students makes contacts and schedules interviews with representatives of business and industrial firms and with school officials. Each year the Director is successful in placing most of the graduates in the careers of their choice.

ACADEMIC REGULATIONS

Definition of Terms

Credit Hour

The unit for counting credit is the semester hour. A semester hour is defined as an hour of class work a week, or its equivalent in laboratory, pursued for one semester. (A semester is approximately 18 weeks.)

Grades and Quality Credits

All work is graded by letter which may be interpreted in percentage figures as follows: A 95-100, B 85-94, C 75-84, D 65-74, F below 65. A, B, C, and D are passing grades; F is failure. A failure can only be removed by repeating the course in class. P, indicating incomplete work, or absence from examination by excuse, must be made up within the next semester of the student's residence; otherwise, the incomplete grade becomes a failure. WP is withdrawal from a course and signifies that the student was passing the course at the time of withdrawal. Such withdrawal is given during the period allowed for officially dropping a course. Such withdrawal may be granted by the dean at any time after this period if the student meets conditions as stated under regulations concerning dropping of classes. WF is withdrawal from a course and signifies that the student was failing the course at the time of withdrawal. This applies to both official withdrawal or unofficial dropping.

The various grades with their corresponding quality credits are shown below:

A—3 quality credits for each hour of credit

B—2 quality credits for each hour of credit

C—1 quality credit for each hour of credit

D, F, and P carry no quality credit. Two quality credits shall be subtracted for each hour of F grade and WF.

For graduation a student must present a minimum of 128 semester hours and 128 quality credits. When more than 128 hour credits are presented, the number of quality credits must equal the number of hour credits.

Student Classification

Students will be classified as follows:

FRESHMEN—A student who has met entrance requirements and who is carrying at least 12 hours of work.

SOPHOMORE—A student who has at least 24 hours of college credit.

JUNIOR—A student who has at least 56 hours of college credit.

SENIOR—A student who has at least 86 hours of college credit, at least 86 quality credits, and has completed all prescribed freshman and sophomore courses for graduation—pages 129-130. This regulation became effective for all students beginning with school year 1964-65.

Major and Minor

A major consists of a minimum of 24 hours in a single department. A minor consists of a minimum of 18 hours in a single department. Ten hours of a major and 6 hours of a minor must be done in junior and senior courses.

Dean's List

Students who make an average of 2.3 or above are placed on the semester honor roll, which is entitled the Dean's List.

General Academic Regulations

Change of Classes

A student making a change in his class schedule after completion of his registration will complete this procedure:

1. Obtain proper forms from registrar's office.
2. Secure the signatures of adviser and of the professor in whose class he is enrolling.
3. Present to the registrar for final approval.
4. Secure the bursar's stamp.

A class change fee of $5.00 will be charged for any schedule change after formal registration period. Exceptions will be made in instances beyond student control.

No change may be made in classes after one and one-half weeks of the term have elapsed.

Dropping of Classes

Courses may be dropped after the period allowed without penalty under the following circumstances:

1. Extreme illness, in which case a physician's certificate approved by the college physician must be submitted and approved by the dean.
2. Other circumstances beyond the student's control, approved by the dean.

In the event of the above conditions the student shall receive the grade of WP (signifying passing at the time of withdrawal) or the grade of WF (signifying failing) as indicated by the instructor.

All withdrawals without the dean's permission will receive WF in all courses pursued.

Withdrawal From School

A student withdrawing from school during a semester must clear with Registrar's Office and Business Office by completing drop cards.

Students will be allowed to withdraw after 14 weeks under conditions stated in (1) and (2) and will receive P (postponed grade) in all courses.

Scholastic Regulations

A student must maintain a satisfactory scholastic standing in order to remain enrolled in Union University.

Satisfactory scholastic standings are:

Freshman	.75
Sophomore, Junior, Senior	1.0

A student failing to attain and maintain the scholastic standing required for his classification is placed on scholastic probation. He is given one semester to remove probation.

Failure to remove probation will result in suspension for one semester.

A student readmitted following such suspension will be allowed one semester to remove probationary status. Freshmen readmitted after suspension and who remove scholastic probation are granted one additional semester to meet satisfactory scholastic standing for sophomore classification.

Failure to remove scholastic probation the second time is equivalent to exclusion.

A student may appeal to the dean to appoint a committee to review his case before he is *excluded* from the university.

A student who fails all academic courses for which he is enrolled will be suspended for one semester.

A student who has been suspended for one semester must be approved by the committee on admissions for readmission to the university.

Honors Program

During the second semester of 1961-62 there was inaugurated at Union an Honors Program. Its purpose is to encourage the more able students to engage in independent study. Participation in the program is limited to seniors chosen by the head of the department concerned in concert with

the Dean and the Honors Program Committee. Application for admission to the Program must be made by the student in writing, and he may engage in only one Honors course at a time. The program is in operation only during the regular academic year and is operated only in connection with regular courses.

A student participating in the Honors Program is not required to attend classes nor to take the regular tests of the course, but he must consult with his director at regular intervals. At the discretion of the director, a student doing unsatisfactory work may be transferred from the Honors Program to the regular course.

The program consists of three parts—the reading of a list of materials broader in scope than the regular class readings, the presentation of a paper and its defense before a board of examiners, and a written examination covering the student's readings.

Recognition of successful participation in the Honors Program is given in the student's permanent record, on his diploma, and on all lists of his collegiate achievements. Participation in the program is limited to juniors and seniors.

Honor Students

Students making an average of 2.5 or above during their college career graduate as honor students, as follows: 2.50-2.66 cum laude; 2.67-2.83 magna cum laude; 2.84 and above, summa cum laude.

Numbering of Courses

THE COURSES in the different departments are numbered from 100 to 600.

Courses from 100 to 199 are freshman courses.
(freshmen restricted to 100-200 level courses)
Courses from 200 to 299 are sophomore courses.
(sophomores restricted to 200-300 level courses)
Courses from 300 to 399 are junior courses.
Courses from 400 to 599 are senior courses.

Size of Classes

EXCEPT under extreme circumstances, classes will be composed of a minimum of 10 to 12.

Regulations Concerning Quantity of Work

Freshmen may not register for more than seventeen and one-half hours, including physical education and Psychology 111, during their first semester, except those who have a superior high school record and a superior

rating on tests administered by the college. After this time they may register for not more than seventeen and one-half hours unless during the preceding semester they made an average of B or above. The maximum number of hours for any student is eighteen.

CHAPEL ABSENCES AND CLASS ABSENCES

See Student Handbook for Information

ACADEMIC REQUIREMENTS

Graduation Requirements

General Requirements

Students must meet *General Requirements* of the current catalog. The total number of semester hours required for graduation is 128. Of this total 42 hours must be junior and senior courses.

Degrees Offered

Union University offers four degrees—Bachelor of Arts, Bachelor of Science, Bachelor of Music, and Associate of Arts in Nursing.

A student may have two degrees conferred when the requirements of both have been met fully, provided that he has a minimum of thirty hours to offer, over and above that required for the first degree; a new major must be completed for the second degree. See page 111 for information regarding Arts-Medical, Arts-Dental, Arts-Pharmacy, Arts-Law, and Arts-Technological degrees.

Minimum Attendance

Time, as well as hours of credit, is required for graduation. A minimum of seven semesters of residence in an approved college is required for graduation. Thirty-two semester hours must be done in residence at Union University. All work of the semester preceding graduation must be done in Union, except that of Pre-legal, Pre-medical, Pre-technological, Pre-dental, Pre-pharmaceutical, and Engineering students.

Work in Residence

A transfer student is required to take in residence at Union eight semester hours in his major field and six semester hours in his minor field.

Prolonged Delay of Completion of Graduation Requirements

A student re-entering the College or transferring to the College, whose transcript indicates a lapse of ten years since the last academic credit was earned in residence, must have a conference prior to enrollment with a committee composed of the Dean, Registrar, major professor, minor professor, and a divisional chairman to be appointed by the Dean. A program of study will be formulated for the applicant to complete before a degree will be granted.

Recital Attendance—Music Majors

Music majors and minors are required to attend seventy-five per cent of the formal recitals and all departmental recitals.

Maximum Hours Allowed in a Subject

The maximum number of hours allowed in any one subject field is 36.*

Application for Graduation

Application for graduation should be filed in writing with the Registrar not later than the beginning of the semester prior to the June Convocation.

Faculty Approval

All candidates for graduation must be approved by the faculty. All conditions should be removed by the opening of the last semester.

Exemption From Examination

Seniors who have met all other requirements for graduation will be exempt from the final examinations in all courses taken during their last semester or term.

Comprehensive Examinations

Seniors are required to take the graduate record examinations in their fields of major study.

English Proficiency Examination

An English Proficiency Examination to be administered by the English Department and the Director of Testing is required of all students. Students not making a passing score on this examination will be required to take English 321, Advanced Grammar.

Scholarship Requirement in Major Field

To satisfy the requirements for the field of major study, only grades of "C" or better in 300 and 400 courses may be included.

Course Requirements for Graduation

Students may graduate either under the course requirements specified in the catalog of the year of their admission or those in force at the time of their application for graduation. In case five years have elapsed since a student's latest enrollment in Union University, he may graduate either under the course requirements of the catalog of his re-admission or those in force at the time of his application for graduation.

Scholastic Requirements

The completion of the required 128 hours usually requires four years of 32 semester hours per year. Of these the freshman and sophomore years are spent in general, or core curriculum work, comprising courses

*Does not apply to B.M. Degree.

in widely separated subjects. During the remaining two years, the student may combine his work within comparatively narrow limits. The work for the entire four-year course consists of (1) prescribed courses, (2) major and minor courses, (3) electives.

Electives

A certain number of electives may be taken from the regular college courses offered in each department. The wise student will always complete his required work first. Failure to do this frequently forces students to take more than 128 semester hours in order to graduate.

Majors and Minors

By the beginning of his junior year, each student is required to select one subject as his major and one subject as his minor and to file a Senior Rating Sheet with the Registrar. A major consists of a minimum of 24 semester hours. The minor consists of a minimum of 18 semester hours. Of the requirements in the major 10 hours must be from the upper division courses—i.e., courses numbered above 299. Of the requirements in the minor 6 hours must be from upper division courses. All majors and minors must be approved by the major and minor professors and the registrar of the college.

The following majors are offered.

Bachelor of Arts

Art	French	Religion
Business Administration	History	Sociology
Economics	Mathematics	Spanish
Elementary Education	Music Literature	
English	Psychology	

Bachelor of Science:

Biology	Economics	Physical Education
Business Administration	Elementary Education	Psychology
Chemistry	Mathematics	Sociology

Bachelor of Music:

Instrumental	Voice	Sacred Music
Piano	Music Education	
Organ	Vocal Supervisor	
	Instrumental Supervisor	

The following minors are offered.

Art	English	Physics
Biology	French	Philosophy
Business Administration	Greek	Psychology
Business Education	History	Religion
Chemistry	Mathematics	Sociology
Secondary Education	Music Literature	Spanish
Economics	Physical Education	Speech

Prescribed Courses for Graduation With a Bachelor of Arts Degree

English 111-2, 211-2 ..... 12 hours
Foreign Language** ..... Equivalent to 2 years college language
Speech 213 ..... 3 hours
Science* ..... 1 year
or
Mathematics 111, 112 and 1 course selected from
113, 114, 115 or 213 ..... 8-10 hours
History 211 or 212 ..... 3 hours
Psychology 213 ..... 3 hours
Core Electives (To be selected from at least 2—Geography, History, Sociology, Economics, Political Science, Philosophy 311) ..... 9 hours
Religion 111, 112, 216, 217 (any 2) ..... 6 hours
Fine Arts (To include at least two of the following: Art 111, Speech 113, Music 216) ..... 4 hours
Basic Physical Education ..... 4 hours

*Physics 111-112 does not apply.

A student taking biology as a year of required laboratory science must take Biology 111 and either 112 or 113.

Students graduating under a catalogue prior to the 1966-67 edition may substitute Biology 112—General Zoology for Biology 112—General Biology and Biology 113—General Botany for Biology 111—General Biology. (Please note: do not be confused by the use of the same numbers for the new courses as previously used. The title of the courses will prevent any problems.)

**A student with two high school units in a foreign language and who on entering college shows on an entrance examination in the language that he is capable of doing second year college work, may complete the language requirements by taking six additional semester hours on the second year level in that same language. By examination a student showing exceptional ability may, if he chooses, enroll in courses above the 211-12 level to satisfy his language requirement.

If the student fails to meet second year entrance requirements, it is recommended that he begin a new language in college and take 14 semester hours, or take without credit in the language studied in high school part or all of the first year courses in that language, the amount to be determined by demonstrated ability on the entrance test, and six additional semester hours on the second year level with credit in the same language.

Advanced placement will be given when recommended as the result of College Board Placement Examination. Placement to be determined after conference with dean.

Prescribed Courses for Graduation With a Bachelor of Science Degree

English 111-2, 211-2 ..... 12 hours
Speech 213 ..... 3 hours
Laboratory Science (To include 1 year each of two fields)* .... 2 years
Mathematics 111, 112 and 1 course selected
from 113, 114, 115 or 213 ..... 8-10 hours
History 211 or 212 ..... 3 hours
Psychology 213 ..... 3 hours
Other Core Electives (To be selected from at least 2—
Geography, History, Sociology, Economics,
Political Science, Philosophy 311) ..... 9 hours
Religion 111, 112, 216, 217 (any 2) ..... 6 hours
Fine Arts (To include at least two of the following:
Art 111, Speech 113, Music 216) ..... 4 hours
Basic Physical Education ..... 4 hours

Prescribed Courses for Graduation With a Bachelor of Music Degree

English 111-2, 211-2 ..... 12 hours
Foreign Language (Voice majors) ..... 2 years
(Other music majors) ..... 1 year
Physics 214 ..... 4 hours
History 211 or 212 ..... 3 hours
Psychology 213 ..... 3 hours
Core Electives (To be selected from Geography, History,
Sociology, Economics, Political Science,
Philosophy 311) ..... 6 hours
Religion 111, 112, 216, 217 (any 2) ..... 6 hours
Fine Arts (To include at least two of the following:
Art 111, Speech 113, Music 217) ..... 4 hours
Basic Physical Education ..... 4 hours

*Physics 111-112 does not apply.

STUDENT LIFE

Student Government

UNION UNIVERSITY maintains a modified form of student government. Through the cooperation of administrative, faculty, and student representation, the interpretation of school policies and principles is effected. The student council serves as a governing board of student affairs. The Student Government Assosciation of Union University is a member of the Southern Universities Student Government Association.

Student Council

The membership of the student council is composed of a representative from each of the four classes, representatives from various organizations, and the president of the student body. Administration and faculty representatives act in an advisory capacity with the council. The purpose of the council is to provide a means of mediation for any problem that may arise from the student body and to be a nucleus for planning any sports, contests or events that will help build the morale of the school.

Fundamental Regulations

First. Students are not permitted to give entertainment during the college session, either on the campus or in the city in the name of the school or any department or organization of it, without consent of the president or chairman of social committee of the faculty.

Second. Social dancing is emphatically contrary to the spirit and regulations of Union University.

Third. Only bona fide students will be permitted to represent the college in public performances.

Fourth. The university is not responsible for any financial obligation incurred by a student organization, student, member of faculty, or employee unless authorized in writing by the president or business manager.

Fifth. All student residents of the dormitories voluntarily agree to observe the rules of conduct governing the residence halls.

Sixth. All students who receive grants-in-aid of any kind must maintain satisfactory scholastic standing as outlined on page 123 and satisfactory conduct.

Seventh. Fraternity Regulations

I. Pledging—1. All freshmen and transfers must have been in residence a minimum of two weeks before being pledged to any fraternity.

2. Fraternity rushing will begin on September 14 and close Thursday, October 1 with the pinning party.

II. Initiation—1. To be eligible for initiation the student must be a bona fide student, carrying the minimum of 12 semester hours.

2. He must have passed all work the semester immediately preceding initiation.

3. He must have completed 12 semester hours with 12 quality credits in Union University.

4. A student's quality credits must equal the number of hours attained for any above the minimum 12 hours standing.

5. Names of the initiates must be presented to the registrar for approval at least one week in advance of initiation.

6. No initiation may be held for any student enrolled in Union for the first time before the end of the third week of the second semester.

Eighth. No clubs, fraternities, or societies may be formed unless the faculty, on application, approves the design of such organizations, the rules by which it proposes to be governed, and the hours of meeting. The faculty reserves the right to limit or to disband any such organizations.

Ninth. It is required that all students establish their residence as a part of registration. For the maximum advantage to non-resident students educationally and socially, it is desirable that they reside in dormitories. This is a requirement for all college-age freshmen students and sophomore women.

Permission may be granted to freshmen students beyond the normal college age, to sophomore men, to junior and senior students, to live off campus under the following stipulation:

1. Parents or guardians must make written request to the administration stating reasons and place of residence desired. 2. The place of residence must be approved by the college authorities. 3. Permission, if granted by the administration, must be in writing.

Students other than those withdrawing from school are not permitted to move from the dormitories at any time without written application to the Dean of Students, accompanied by written request from parents.

Discipline

First. The President of the college and the discipline committee are charged with the administration of discipline. They are empowered to rule in any irregularity pertaining to student life.

Note: It sometimes happens that a student's presence in a dormitory is inimical to the best interests of the group, and yet specific charges are difficult or embarrassing to make. Sometimes it is an accumulation of

minor things which, taken separately, appear trivial. Sometimes the charges may be too serious to be openly preferred. In all such cases the interests of the residence hall as a home and sometimes of the individual himself, demand that he change his residence. Therefore, the school in assigning rooms hereby explicitly reserves the right to cancel the reservation either before or while the student occupies the room without preferring any specific charge. Only in such cases is room rent ever refunded. Students may petition for one's removal without stating charges, and without having their names known to any except the president, dean of students and/or dean of women, and the dormitory hostess interested.

Second. Any student who elopes or marries secretly is indefinitely suspended as soon as the fact becomes known. The college considers it a duty to the student's parents to discourage secret marriages in every possible way. Subsequent announcement of a marriage does not alter the penalty. Reinstatement may be granted only upon personal appeal by the parents.

Third. While the administration and discipline committee cannot assume full responsibility for the boarding students not on the campus, it reserves the right to make such regulations at any time as may seem advisable, and the violation of the regulations on the part of a student may deprive him of the privileges of the school.

Fourth. The administration and discipline committee will deal with all of the student organizations in the matter of discipline as with individuals.

Student Organizations and Activities

Religious Life

Emphasis is placed not only upon the training of the body and the mind, but also upon the development of the moral and religious nature. In chapel exercises, in class rooms, in every relation where the occasion arises, it is in accord with the policy of the college that emphasis be given to the need for and the value of Christian living.

Devotional life on the campus is fostered through morning watch and vespers. In addition a Religious Emphasis Week is observed annually. The college emphasizes the importance of continuous growth and development in Christian character. A week of denominational emphasis is observed annually.

Religious Organizations

Ministerial Society

The society makes a valuable contribution to the life of ministerial students on the campus.

B. S. U. Council

The Baptist Student Union Council has general concern for the religious activities of the school, and is the co-ordinating agency of these activities.

Y. W. A.

The Y. W. A. is an auxiliary of the Woman's Missionary Union for college women. Its meetings are held bi-monthly.

Life Service Band

This club urges its members to use college days in life service for Christ by promoting mission projects on and off campus and seeks to enlist every Christian in full time life testimony whether he be a layman or special religious worker.

Intercollegiate And Intramural Athletics

Intercollegiate athletic programs are an integral part of American college life. At Union University athletics constitute a vital segment of the area of physical education and an integral part of the total college program.

During both the fall and spring semesters, a program of competitive intramural sports is sponsored that opens the way for wide participation on the part of both men and women. Awards are given at the close of the year based on a point system employed throughout the intramural competition.

Union University believes that sports, both intercollegiate and intramural, have definite educational values and that few agencies possess so much that is potentially good for character building in American youth. It holds membership in the Volunteer State Athletic Conference and the National Collegiate Athletic Association. It adheres strictly to the eligibility regulations of these organizations.

Clubs

Linguæ Mundi Club

All students interested in foreign languages or cultures are eligible to join this club. Its purposes are to foster interest in foreign languages and cultures and to encourage conversation in foreign languages. The club promotes programs both of general interest and of specific interest for students of a particular language. To this end the club has a vice-president in charge of each language: Latin, French, Spanish, German, and Greek.

Physical Education Club

This club for girls is to stimulate interest in physical education and to promote the girls' intramural program. Membership is open to girls majoring or minoring in physical education or those having 300 points on the intramural point system.

Kappa Mu Epsilon

Kappa Mu Epsilon is a national honorary mathematics society. The Tennessee Gamma Chapter was chartered at Union University May 24, 1965.

U Club

The "U" club is made up of those students who have received an athletic award by participating in an intercollegiate sport. Its purpose is to promote athletic activities. Members must have earned an athletic letter at Union University.

Nestor

This is a literary club for men composed of thirteen upper classmen and is organized to promote special scholastic interest and attainments. When a vacancy is caused by the graduation of some member, a new member is elected as his successor.

Hypatia

Hypatia is an honorary literary club for women sponsored by the English department. Membership is composed of thirteen students with highest scholastic standing. It meets monthly and stimulates interest in literary matters.

The W. A. Owen Law Club

This club is composed of pre-law students and functions only when there is sufficient demand. It is sponsored by the history department.

The Mallory Mathematics Club

The club is composed of students who have completed one semester of college mathematics. Its purpose is to stimulate interest in this field.

Footlights Club

This organization includes students who are interested in the drama. It sponsors all play production, including a play tournament, one-act play night, and major productions.

Prince-Davis Science Club

The purpose of this club is to further interest in science by student participation. Membership is open to majors and minors in chemistry, biology and physics.

The Rutledge Honorary History Club

This club serves as a proving ground for membership in Phi Alpha Theta. Either majors or minors, who take at least 18 semester hours in history, who have and maintain a 1.75 point average in history, and who have and maintain this same general average in all other subjects, are eligible.

The Business Club

The Business Club is an organization designed to promote interest in the field of Business Administration. Membership is open to majors and minors in Business Administration, Business Education and Economics, who have and maintain a C average.

The Frank L. Wells Chapter
Student National Education Association

This organization is composed of students on the campus who are preparing to teach. Its purpose is to offer its members all the opportunities, responsibilities, and privileges of the National Education Association and the Tennessee Education Association and to acquaint future teachers with the history, ethics, and program of the organized teaching profession.

Fraternities and Sororities

Social Fraternities

UNION has five national social fraternities—Alpha Tau Omega, Sigma Alpha Epsilon, Lambda Chi Alpha, Chi Omega, Zeta Tau Alpha. They have their own special activities and functions and add variety and charm to the college life.

Scholarship Fraternities

Alpha Psi Omega

Alpha Psi Omega is an honorary dramatic fraternity. Membership is based on attainment in this area.

Phi Alpha Theta

Delta Psi Chapter of Phi Alpha Theta, National Honorary Scholarship Fraternity in History, is the 119th chapter and the first in the state of Tennessee. Juniors or seniors who have had 12 semester hours of history and who have a minimum average of 2.1 in history and 2.0 in two-thirds of the remainder of their work are eligible.

Phi Mu Alpha Sinfonia

Iota Sigma Chapter of Phi Mu Alpha Sinfonia is a national professional music fraternity. Phi Mu Alpha is the largest men's fraternity in the world with 180 active chapters.

Membership is confined to men who exhibit a genuine interest in professional ideals and a high degree of excellence in musical ability and scholarship.

The local chapter was chartered in 1960 and has made a vital contribution to music activities on the campus.

Alpha Chi

Alpha Chi is a member of the Association of College Honor Societies. Membership is open to approximately the top ranking ten per cent of the junior and senior classes.

Sigma Alpha Iota

Gamma Sigma Chapter of Sigma Alpha Iota, the oldest and largest international music fraternity for women, is composed of students taking a course leading to a Bachelor of Music Degree or the Bachelor of Arts with a major or minor in music. Membership is based on excellence in scholarship and musical ability.

Student Publications

"Cardinal and Cream"

The "Cardinal and Cream" is the college paper edited and published by the students.

"Lest We Forget"

The "Lest We Forget" is the college year book published annually by the students.

"The Torch"

"The Torch" is a literary annual published under the direction of the Honors Program Committee. Its contents are made up of the best student writings of the year. They are selected both from among papers presented in the normal course of classwork and from those submitted directly to the editors.

Awards

The Zeta Tau Alpha Award of fifteen dollars to the senior of the June class graduating summa cum laude, with highest rank. Winner in 1965—Janetta Petkus.

The Chi Omega Award of fifteen dollars to the non-Chi Omega girl who makes the best record in social studies. Winner in 1965—Vicky M. Foote.

The Charles H. Strickland Medal established by Mrs. C. H. Strickland for the best orator in the senior class. This is an endowed medal. Winner in 1965—Sydney L. Smith.

The Elizabeth Tigrett and the Hughes Medals were established by the late Mr. I. B. Tigrett in memory of his mother and the late Dr. J. G. Hughes in memory of his father, for the outstanding seniors each year in the June and August class respectively. Mrs. J. G. Hughes perpetuates the Hughes Medal in memory of her late husband and as a continuing memorial to his father, Mr. J. W. Hughes. The awards are based on the following qualities and characteristics: citizenship, character, leadership, scholarship, school service. To be eligible for these medals a student must have attended Union University four years. These medals carry with them the highest honors of the senior class. Winner Tigrett medal, 1965, Melinda Russell; Hughes, Sarah B. Dugger.

The Milchrist C. Stanworth Music Medal is awarded to a member of the June or August graduating class who has studied music at Union University for two years and who can otherwise qualify. Audition is required and selection is based on performance in applied music with theory as a factor in the decision. Winner 1965—Janetta Petkus.

The Alpha Tau Omega Award is presented each year to the outstanding male senior, non-fraternity man. This award is based upon scholarship, leadership in campus activities, and character. Winner 1965—David Rowland.

The Fred DeLay Memorial Award has been established by Mr. DeLay in memory of his father and is presented at the annual Commencement to the honor athlete of the Senior Class. The recipient of this award must be, in addition to being the outstanding athlete, a person of high academic standing, unquestionable loyalty and good character. Mr. Fred DeLay, a business man, was Head of Athletics in Union University from 1937 to 1945, and again in 1948-49. Winner in 1965—David Pflasterer.

The Phi Mu Alpha Award is presented to the graduating seniors who have been members of the Symphonic Band for their four years on the campus and who have demonstrated excellence in musicianship, leadership, loyalty, and service. 1965—Robert Capra.

The Jackson Dental Study Club Award of fifty dollars in cash is given annually to the outstanding person on the campus who plans to enter dental college at the next session. 1965—No Winner.

The Elizabeth B. Loyd Dramatic "Oscars" are awarded each year to the best actor and the best actress. The recipients of the "Oscars" are chosen by the Union University Dramatic Director. Selection is based on excellency of performance with cooperative loyalty and dedication to achievement as factors in the decision. The awards are presented in May

at the annual awards dinner of Alpha Psi Omega and the Footlights Club. Mrs. Elizabeth B. Loyd was Director of Dramatics at Union University from 1939 to 1961.

The Academic Excellence Medals. On Awards Day, the college presents a medal to the outstanding majoring senior in each subject, provided his average grade in the subject be not less than 2.3.

The Sigma Alpha Iota Award is presented by the National Board of Sigma Alpha Iota to the member of the college chapter who is a music major and has attained the highest scholastic rating during her college course. The award is given upon the recommendation of the head of the music department. Winner 1965—Janetta Petkus.

The Wilson Nursing Award has been established by Miss Georgia Wilson to be presented to the member of the graduating class who is deemed by the nursing faculty to have been the most outstanding in clinical nursing. 1965 Winner—Rebecca Jean Wolfe.

The Gold Metal Lamp Nursing Award. This lamp is awarded annually to the student completing the requirements for the *Associate of Arts in Nursing* who, in the opinion of the nursing faculty, best typifies the spirit of the nursing profession. The award is made on the basis of a high academic average, skill and interest in all aspects of nursing care, and a sincere desire to serve humanity. Winner 1965—Marelle L. McNatt.

The Sigma Alpha Iota Foundation Award is based on scholarship attainment, musicianship, and contribution to the local chapter of the fraternity. Winner 1965—Janetta Petkus.

Class of 1962 recognizes the senior who has attended Union University for four years with the highest average. Winner 1965—Janetta Petkus.

The Phi Alpha Theta Scholarship Key is presented to the student majoring in history who has an average of 2.50 or better. No Winner—1965.

The Wilson Geyer Art Award is presented to the winner of the Annual Student Art Exhibit. Selection is made by local artists. Winner 1965—Wayne Bates.

HISTORY OF UNION UNIVERSITY

Union University is the descendant and heir to two earlier institutions of learning—West Tennessee College and its predecessor, Jackson Male Academy, both of which were located in Jackson. Jackson Male Academy was chartered by legislative enactment during the 1825 session of the Tennessee Legislature. W. E. Bolten, S. D. Hays, J. F. Brown, John Read, and Joshua Haskell were constituted "A body politic and corporate" and were named as trustees of the academy. (Acts of Tennessee 1825, Chapter 222, p. 252.)

As a college it had its beginnings in the provision of the North Carolina Compact in ceding Tennessee to the United States Government to be made into a new state. It was provided that there should be two colleges established, one each in East and West Tennessee, and certain public lands were set apart to that end. As a result West Tennessee College was chartered by legislative enactment, January 3, 1844. The charter vested in the trustees of the college "all the property rights and credits belonging, or in any wise appertaining to the . . . Jackson Male Academy." The charter also provided "that the Jackson Male Academy shall constitute the preparatory department of the West Tennessee College. . . .". (Acts of Tennessee 1843-44, Chapter 66, pp. 75-76.)

In 1846 an act of Congress was passed extinguishing the title to unappropriated lands south and west of the congressional reservation line, and $40,000 arising from the sale of these lands was set apart as an endowment for West Tennessee College, located at Jackson. (U. S. Statutes at Large II, 1806, Chapter 31). This institution continued as such until 1874 when it was offered to and accepted by Tennessee Baptists. This action grew out of a growing sentiment on the part of Tennessee Baptists toward greater unification, and education was the central core around which such unification was promoted. To that end committees were appointed by the General Association of Baptists in Middle Tennessee, The East Tennessee Baptist General Association, and the West Tennessee Baptist Convention. (There was no Tennessee Baptist Convention to this date.) These committees met jointly in Humboldt, March 15, 1873. (Tennessee Baptist Convention, *Minutes,* 1874, p. 1.) They issued a resolution favoring the establishment of a first class college, and pledged their support for such a movement. They also agreed to call an Educational Convention in Murfreesboro, April 10, 1874. This convention met as scheduled and defined the purpose of the Convention as follows: "This Convention shall promote the educational interests of the Baptists of Tennessee . . .". Following this a committee was appointed to select a

location for the proposed new college and they recommended the acceptance of the offer made by the citizens of Jackson and vicinity which included "the buildings, grounds, and endowment funds of West Tennessee College."

In September, 1874, the new institution opened at Jackson as an academy and was chartered as Southwestern Baptist University in June, 1875. (Corporate Record Book A, pp. 58-63, Office of Secretary of State.) On August 5, 1890, the campus, known prior to 1875 as West Tennessee College, was deeded to Southwestern Baptist University.

At a meeting of the Board of Trustees September 17, 1907, the name of the institution was changed from Southwestern Baptist University to Union University. Even though there is nothing to authenticate an organic relationship between the institution of Jackson and Union Uiversity of Murfreesboro, there was a distinct sentimental connection between the two. The institution founded at Murfreesboro in 1845 was named Union University. Dr. T. T. Eaton, son of Dr. Joseph Eaton, the founder of Union University at Murfreesboro, taught both in that institution and Southwestern Baptist University at Jackson. He also gave to Southwestern his father's library, and while there is no record to authenticate this decision it is rather apparent that the institution was changed to Union University because of this family connection.

In the fall of 1925 the Board of Trustees deeded all of the property of the University to the Tennessee Baptist Convention and secured a new charter which vested all rights and authority in the Convention which elects all of the trustees. In 1927 the Hall-Moody Junior College was consolidated with Union University and its records transferred to Union University.

Union University has had the following presidents (no record of the presidents of West Tennessee College):

William Shelton, 1875-76; G. W. Jarman, 1876-90; G. M. Savage, 1890-1904; P. T. Hale, 1904-06; G. M. Savage, 1906-07; J. W. Conger, 1907-09; I. B. Tigrett, 1909-11; R. A. Kimbrough, 1911-13; R. M. Inlow was elected June, 1913, but resigned soon after opening of fall term; A. T. Barrett, 1913-15; G. M. Savage, 1915-18; H. E. Watters, 1918-31; A. W. Prince (Acting President),1931-32; John Jeter Hurt, 1932-45; Warren F. Jones, 1945-1963; F. E. Wright, 1963-.

Location

Union University is located in Jackson, Tennessee, a city of 45,000 inhabitants. Jackson is centrally located in West Tennessee with adequate transportation facilities available by bus, railway, and air. It is noted for its culture, beauty and educational advantages.

ADMINISTRATION

Officers of Administration and Staff

Faculty of Instruction

Faculty Committees

Board of Trustees

ADMINISTRATIVE OFFICERS AND STAFF

1966-1967

( ) Date of Employment

FRANCIS E. WRIGHT, 40 Harmony Lane (1954) . . . . . *President*

A.B., Baylor University, 1942
M.A., George Peabody College, 1948
Ed.D., George Peabody College, 1954

I. HENSON HARRIS, 564 East Main (1965) . . . . *Executive Vice-President and Academic Dean*

B.S., Murray State College, 1934
M.A., Vanderbilt University, 1941
Ed.D., University of Oklahoma, 1953
Graduate study, University of Illinois

W. WALTER WARMATH, 52 Wildwood Lane (1963) . . . . . *Vice-President*

A.B., Union University, 1935
Th.M., Southern Baptist Theological Seminary, 1939
D.D., Union University, 1952
Attended Cumberland Law School and University of Tennessee

FRANK M. BLYTHE, 39 Alta Vista Drive (1965) . . *Assistant Vice-President*
(1939-1965) . . *Business Manager*

B.S., University of Oklahoma, 1926

CURTISS E. SCOTT, 618 East Lafayette (1965) . . . . . *Business Manager*

B.S., Union University, 1952
M.Ed., Texas Wesleyan College, 1958
M.R.E., Southwestern Baptist Seminary, 1958
Graduate study, Southwestern Seminary, North Texas State University, George Peabody College
Graduated from Finance School, U.S. Army

J. GUY GEE, 425 West King (1957) . . . . . *Bursar*

A.B., Union University, 1962

JESSIE S. SMITH, 590 East College (1958) . . . . . *Assistant Bursar*

A.B., Cumberland University, 1936

GLADYS I. STONE, 310 North Hays (1949) . . . . . *Registrar*
(1957-1965) . . . . . *Dean of Women*

B.S., Union University, 1933
Graduate study, Memphis State University

ANNE S. TAYLOR, 93 Montclair Drive (1955) . . . . . *Assistant Registrar*

A.B., Union University, 1948

JACK BROWN, 389 Chester Levee Road (1964) . . . . . *Dean of Students*

B.S., Union University, 1949
M.A., George Peabody College, 1952
Advanced graduate study at University of Tennessee

MAGGIE NELL BREWER, Route 7 (1965) . . . . . *Dean of Women*

B.S., University of Tennessee, 1955
M.A., George Peabody College, 1961
Graduate study, Memphis State University

RUTH GIBBONS, 601 Lafayette (1947) . . . . . *Librarian*

A.B., Union University, 1932
B.S., L.S., George Peabody College, 1940
M.S., L.S., George Peabody College, 1962

MABEL K. WARD, 283 Russell Road (1949) . . . . . *Assistant Librarian*

A.B., Carson-Newman College, 1932
M.A., L.S., George Peabody College, 1955

FRANCES SMITH, 349 Westwood (1963) . . . . . *Reader Services Librarian*

A.B., Lambuth College, 1942
M.A., Vanderbilt University, 1945
M.A., (Library Science) George Peabody College, 1956

ROBERT T. HOLLAND, 71 Sherrell Drive (1963) . . . . . *Director of Alumni*

A.B., Union University, 1953
M.A. in Sacred Music, Southern Baptist Theological Seminary, 1958
B.D., Southeastern Baptist Theological Seminary, 1962

GEORGE B. WYATT, 87 Woodhaven Drive (1948) . . . . . *College Physician*

A.B., Vanderbilt University, 1939
M.D., Vanderbilt University, 1942

DUVAL H. KOONCE, 283 Edenwood Drive (1955) . . . . . *Associate College Physician*

A.B., Duke University, 1943
M.D., Duke University, 1946

MARGARET BOYD, 59 Carruthers Drive (1965) . . . . . *College Nurse*

LAURA B. HARRIS, Sherwood Apartments (1960) . . . *Director of Publicity and Administrative Secretary*

JUANITA ALLEN, 580 East Lafayette (1955) . . . . . *Secretary, Music Department*

VIRGINIA BARHAM, 316 West King (1952) . . . . . *Secretary to Admissions Director*

A.B., Union University, 1950

SARAH BAXTER, 620 Whitehall (1960) . . . . . *Secretary to the Registrar*

PAULINE BOYD, 45 Alta Vista Drive (1965) . . . . *Secretary to the Dean of Students*

EULA EMERSON, Route 3 (1961) . . . . . *Secretary to the Librarian*

PATSY FOUST, 425 North Hays (1964) . . *Secretary to the Alumni Director*

Doris Gee, 425 West King (1959) ..... *Secretary to the Assistant Vice-President*

Elouise Graves, 54 Royal Oaks (1960) ..... *Secretary to the President*

Joy Hammonds, 552 East College (1965) ..... *Secretary to the Faculty*

Ruth Harris, 132 Sunnyside Drive (1965) .... *Secretary to the Director of Student Procurement*

Onola Mullins, Route 2 (1966) ..... *Secretary to the Business Manager*

Louise Lynch, Christmasville Road (1964) .. *Secretary to the Executive Vice-President & Academic Dean*

Martha Reeves, Lexington, Tennessee (1964) ..... *Secretary to the Vice-President*

A.B., Union University, 1964

Barbara McDade, Pleasant Plains Road (1965) ..... *Bookkeeper*

Audrey Ramsey, 715 Highland (1962) ..... *Bookstore Manager*

Rebecca Webb, 1491 Lambuth (1965) ..... *Bookstore Assistant*

A.B., Union University, 1942

Sandra Hackett, Sherwood Apartments (1965) .... *Library Technician*

A.B., Union University, 1963

Helen Layman (1964) ..... *Switchboard Operator*

Marie Baldauff, Nashville Highway (1963) ..... *Assistant in Nursing*

Elizabeth Person (1962) ..... *Laboratory Assistant in Nursing*

Elise Caldwell, Jones Hall (1957) ..... *Hostess, Jones Hall*

Lucille Baker, 875 Skyline Drive (1957) .. *Assistant Hostess, Jones Hall*

Nancy Lawrence, Ellis Hall (1964) ..... *Hostess, Ellis Hall*

Martha Virginia Sewell, Crook Hall (1962) ..... *Hostess, Crook Hall*

Hazel Smiley, Student Union Building (1965) .. *Hostess, Student Union Building*

Mary D. Stubblefield, University Cottage (1965) .. *Hostess, University Cottage*

Julia Walker, Lovelace Hall (1963) ..... *Hostess, Lovelace Hall*

Elizabeth Wingo, Adams Hall (1965) ..... *Hostess, Adams Hall*

JOHN P. DOUGAN, III,
Lower Brownsville Road (1965) . . . . . *Superintendent of Buildings and Grounds*

JAMES A. STRATTON, 2017 East Chester (1965) . . . . . *Purchasing Agent* (1919-1965) . . . . *Superintendent of Buildings and Grounds*

BARBEE BARHAM, 316 West King (1965) . . . . . *Supervisor of Maintenance*

SAMUEL S. SARGENT, 55 Honeysuckle Drive. . . . . *Educational Consultant*
B.A., Union University, 1924
M.A., Peabody College, 1926
LL.D., Union University

EMERITI

WARREN F. JONES, Maitland, Florida (1945-1963) . . . *President Emeritus*
B.S., Georgetown College, 1921
M.A., University of Kentucky, 1937
Graduate study, University of Kentucky, University of Chicago and George Peabody College
LL.D., Georgetown College

FACULTY OF INSTRUCTION

1966-67

( ) Indicates year first employed

DIVISIONAL CHAIRMEN

RALPH T. DONNELL (1948) . . . . *Chairman, Division of Natural Sciences, Head of Department of Mathematics, and Professor of Mathematics*

A.B., Cumberland University, 1926
LL.B., Cumberland University, 1927
M.A., Vanderbilt University, 1937
Two years additional graduate study, University of Tennessee
Additional graduate study, University of Michigan

JOHN HUGHES (1952) . . . . . *Chairman, Division of Fine Arts, Head of Department of Music and Professor of Music*

A.B., Southwestern, 1947
M.S., Juilliard, 1949
Ch.M., American Guild of Organists, 1949
Graduate study in Musicology, New York University
Organ Pupil of W. Townsend, Plymouth, England
Organ Pupil of Marcel Dupre, Paris, France
Additional Graduate study in Harmony under Olivier Messiaen, Paris Conservatory, Paris, France
Ph.D., Florida State University, 1961
Post-doctoral study in Siena, Italy, Summer, 1961

CHARLES D. TAYLOR (1955) . . . . . *Chairman, Division of Humanities, Head of Department of Religion and Professor of Religion*

A.B., Union University, 1948
B.D., Southern Baptist Theological Seminary, 1951
Th.D., Southern Baptist Theological Seminary, 1957

RICHARD HIRAM WARD (1948) . . . . *Chairman, Division of Social Sciences, Head of Department of History, and Professor of History*

A.B., Carson-Newman College, 1933
M.A., George Peabody College, 1948
Ph.D., George Peabody College, 1953
Additional study at New Orleans Seminary
Post-doctoral study at University of North Carolina, Summer 1957
Post-doctoral study at American University, Summer 1961

OTHER DEPARTMENT HEADS

A. L. ALLEN (1955) . . . . . *Head of Department of Art and Associate Professor of Art*

B.S., Louisiana State University, 1950
M.A., Louisiana State University, 1954
Additional graduate study at Stanford University, University of Arizona, University of Colorado and University of Minnesota

SPURGEON BOYD (1949) ..... *Head of Department of Biology and Associate Professor of Biology*

B.S., Carson-Newman College, 1935
M.A., Peabody College, 1947
Additional graduate study at George Peabody College, Vanderbilt University, University of Oregon, and Arizona State University
Additional study at the National Institute of Health, 1961

WU-CHIEH CHENG (1955) ..... *Head of Department of Chemistry and Professor of Chemistry*

B.S., St. John's University, Shanghai, China, 1944
M.S., Kansas State University, 1949
Ph.D., Georgia Institute of Technology, 1954

GEORGE E. CLARK (1962) ..... *Head of Department of English and Professor of English*

A.B., Union University, 1949
B.D., Southern Baptist Theological Seminary, 1952
M.A., George Peabody College, 1952
Th.M., Southern Baptist Theological Seminary, 1953
Ph.D., George Peabody College, 1962

DAVID E. CUNDIFF (1966) .. *Head of Department of Health and Physical Education, Director of Athletics, Assistant Professor of Physical Education*

B.S., Union University, 1960
M.S., University of Illinois, 1961
Ph.D., University of Illinois, to be completed August, 1966

J. HAMILTON MCCOY (1965) ..... *Head of Department of Modern Languages and Professor of Modern Languages*

A.B., Drury College, 1922
M.A., University of Nebraska, 1930
Additional graduate study at Harvard University, Columbia University and the University of Texas
Ph.D., University of Mexico, 1958

FREDERICK T. NEELY (1964) ..... *Head of Department of Economics and Business Administration, and Professor of Economics*

B.S., University of Virginia, 1950
M.A., University of Virginia, 1951
Ph.D., University of Virginia, 1956

ISABEL H. NEELY (1962) ..... *Head of Department of Nursing and Assistant Professor of Nursing*

Diploma in Nursing, Women's College Hospital School of Nursing, Toronto, Canada, 1939
B.S. in N. Ed., University of Virginia, 1949
M.Ed., University of Virginia, 1955

JAMES A. PATE (1959) ..... *Head of Department of Education and Psychology and Associate Professor of Education*

B.S., Howard College, 1944
A.B., University of Alabama, 1944
M.A., University of Alabama, 1955
Advanced Professional Diploma in Education, 1957
Ed.D., University of Alabama, 1959
Post-doctoral study, University of Alabama, Summer, 1964

OTHER PROFESSORS

HYRAN BAREFOOT (1957) ..... *Professor of Religion*

A.B., Mississippi College, 1949
B.D., New Orleans Baptist Theological Seminary, 1952
Th.D., New Orleans Baptist Theological Seminary, 1955
Post-doctoral study at University of New Mexico, 1965-66

WILLIAM P. CARSON (1965) ..... *Professor of English*

A.B., Furman University, 1913
M.A., University of Chicago, 1917
Ph.D., Columbia University, 1925
Visiting Scholar, University of North Carolina, 1946-47

WILLIS HAMILTON KIMZEY, JR. (1956) ..... *Professor of Religion*

A.B., Mercer University, 1938
B.D., Southwestern Baptist Theological Seminary, 1949
Th.D., Southwestern Baptist Theological Seminary, 1956
Post-doctoral Study at University of Nottingham, Nottingham, England

ASSOCIATE PROFESSORS

HELEN BLYTHE (1939) ..... *Associate Professor of English*

A.B., University of Oklahoma, 1939
M.A., George Peabody College, 1949
Directed Literature Study, British Isles, 1956
Directed Shakespeare Study, Canada, 1958
Additional study, Syracuse University, Summers of 1961 and 1962
Shakespearian Seminar, McMaster University, 1962

ANN ELIZABETH BIGGS (1963) ..... *Associate Professor of Music*

A.B., Maryville College, 1941
B.M., Conservatory of Music of the University of Cincinnati, 1945
M.M., Conservatory of Music of the University of Cincinnati, 1948
Voice study with Maggie Teyte and Belle Julie Soudant, New York, Ecoles d'Art Amercaine, Fontainebleau, France
Voice study with Hermanus Baer, Northwestern University

WILLIAM E. CALLAHAN (1960) ..... *Associate Professor of Religion*

A.B., Florence State College, 1953
B.D., New Orleans Baptist Theological Seminary, 1956
Th.D., New Orleans Baptist Theological Seminary, 1960

ELISABETH JARREL FOSSEY (1955) ..... *Associate Professor of Theory, Piano and Voice*

B.M., American Conservatory of Music, 1935
M.M., American Conservatory of Music, 1954
Pupil of Victor Garwood, Chicago; Theodor Bohlmann, Memphis; John H. Hattstaedt, Chicago; Charles LaBerge, Chicago; Louise Robyn, Chicago; Irvin Fischer, Chicago; Stella Roberts, Chicago; Karlton Hackett, Chicago; E. Warren K. Howe, Chicago
Additional study, Siena, Italy, Summer, 1961

MAYME LUCILLE HAMLETT (1964) ..... *Associate Professor of English*

A.B., University of Missouri, 1929
B.S., University of Missouri, 1930
M.A., University of Missouri, 1938
Additional graduate study, University of Chicago and Baylor University

ELIZABETH BRELAND LOYD (1938) ..... *Associate Professor of Speech*

Graduate diploma, Ruth Bale Whitworth College, 1922
Additional study, Curry College, Boston; Alviene University of the Theater, New York; American Academy of Dramatic Art; Columbia
A.B., Union University, 1945
M.A., Memphis State University, 1958

WILLIAM PERRYMAN (1957) .... *Associate Professor of Piano and Theory*

B.M., University of Arkansas, 1951
M.M., Indiana University, 1952
Additional graduate study, University of Arkansas and University of Indiana, 1959-60; 1960-61, Summer 1962.
All class work completed for Ph.D., University of Indiana.

DONALD R. RAMAGE (1964) ..... *Associate Professor of Biology*

B.S., Murray State College, 1961
Ph.D., University of Kentucky, 1964

LOUIS SNELLGROVE (1960) ..... *Associate Professor of Psychology*

A.B., Emory University, 1952
M.A., University of Alabama, 1956
Ed.D., University of Alabama, 1960

GRACE WILLIAMS (1942) ..... *Associate Professor of Physical Education*

B.S., Alabama College, 1928
M.A., George Peabody College, 1932
Additional graduate study at Northwestern University

ASSISTANT PROFESSORS

ELDON A. BYRD (1961) ..... *Assistant Professor of Sociology*

B.S., Murray State College, 1943
B.D., Southern Baptist Theological Seminary, 1952
M.A., George Peabody College, 1958
Ed.S., George Peabody College, 1960
Additional graduate study at George Peabody College, Summer, 1964

JAMES H. EDMONSON (1965) ..... *Assistant Professor of History*

A.B., Samford University, 1957
B.D., Southern Baptist Theological Seminary, 1961
M.A., Louisiana State University, 1963
Additional graduate study toward Ph.D., Louisiana State University

ELIZABETH ETHERIDGE (1964) ..... *Assistant Professor of Spanish*

A.B., Union University, 1929
M.A., Vanderbilt University, 1933

FAY ETHERIDGE (1963) ..... *Assistant Professor of English*

A.B., Union University, 1923
M.A., Vanderbilt University, 1933

WILLIAM F. HENRY, JR. (1964) ..... *Assistant Professor of Physical Education*

B.S., Carson-Newman College, 1959
M.S., University of Tennessee, 1961
Additional graduate study, University of Tennessee

DAVID J. IRBY (1964) ..... *Memphis Extension Assistant Professor of Religion*

B.S., University of Southern Mississippi, 1951
B.D., New Orleans Baptist Theological Seminary, 1956
Th.D., New Orleans Baptist Theological Seminary, 1963

WARNER HUTCHISON (1959) ..... *Assistant Professor of Theory and Instrumental Music*

B.S.M., Southwestern Baptist Theological Seminary, School of Church Music, 1954
M.M., North Texas State College, 1956
Special Studies: Rockmont College, University of Denver, Indiana University
Additional graduate study, Eastman School of Music of the University of Rochester
Hornist with orchestras in Denver, Dallas, Rochester and Knoxville
Composition with Wayne Barlow, Kent Kenman, Roy Harris and others
All class work completed for Ph.D., North Texas State University

WILLIAM T. PENROD (1965) ..... *Assistant Professor of Psychology*

A.B., Carson-Newman College, 1947
B.D., Th.M., Southern Baptist Theological Seminary, 1954-55
M.S., University of Miami, 1959
Ph.D., University of Florida, 1962

FLORA PRINCE (1959) ..... *Assistant Professor of English*

B.S., Alabama Polytechnic Institute, 1951
M.A., Alabama Polytechnic Institute, 1956
M.R.E., Carver School of Missions and Social Work, 1956
Additional graduate study, University of North Carolina, Summer, 1962, 1964

GERALD L. WELKER (1966) ..... *Assistant Professor of Woodwinds*

B.M., Eastman School of Music, 1963
Attended American University, Washington, D. C.
M.M., Eastman School of Music, 1964
Additional graduate study, Eastman School of Music

INSTRUCTORS

SONYA JEANNE ADKERSON (1966) ..... *Instructor of Speech and English*

B.S., Southeast Missouri State College, 1958
M.A., Southern Illinois University, 1964

JOHN R. BARBER (1960) ..... *Instructor of History*

A.B., Union University, 1959
M.A.T., Vanderbilt University, 1960
M.A., Vanderbilt University, 1964
Additional graduate study, Vanderbilt University

HARRIET M. BLACK (1965) ..... *Instructor of Mathematics*

B.A., University of Pittsburgh, 1929
M.A., Bucknell University, 1932

JOSEPH BLASS (1959) ..... *Instructor of Voice*

A.B., University of Alabama, 1955
M.S.M., Southern Baptist Theological Seminary, 1959
Additional graduate study, Florida State University, Summer, 1964, 1965-66

G. WAYNE BROWN (1963) ..... *Instructor of Physics*

A.B., Union University, 1961
M.A., University of Florida, 1963
Additional graduate study, University of Florida, 1965-66

JOHN DAVID COLLEY (1965) ..... *Instructor of Art*

B.S., Murray State College, 1962
M.A., Columbia University, 1964
Additional study in Art History, Harvard University

MABLE DOBSON (1965) ..... *Instructor of Nursing*

B.S. in Nursing, University of Tennessee, Memphis, 1957
Supervisor of Nurses, Jackson-Madison Co. General Hospital, 1961-65

JAMES MELDRIDGE EDMONDS (1965) ..... *Instructor of Health and Physical Education*

B.S., University of Mississippi, 1963
M.Ed., University of Mississippi, 1964

RICHARD RAY EMERY (1965) ..... *Instructor of Voice*

Attended John Brown University
B.M., Bethany College, 1959
M.M.E., Wichita State University, 1965

BETTY H. FOELLINGER (1964) ..... *Instructor of English*

A.B., Indiana University, 1936
M.A., Northwestern University, 1938
M.S., Northwestern University, 1939

BEVERLY ANN GARLAND (1965) ..... *Instructor of Nursing*

A.B., Union University, 1962
R.N., M.S.N., Graduate School of Nursing, New York Medical College, 1964

ROBERT R. HIGHFILL (1966) ..... *Instructor of Physics*

B.S., Union University, 1961
M.S., University of South Carolina, 1963

WAYNE JOHNSON (1964) ..... *Instructor of Speech and Drama*

A.B., Union University, 1962
Pasadena Playhouse, 1962-63
Graduate study, Purdue University, Summers 1965 and 1966

CATHERINE ROSE LOGAN (1965) ..... *Instructor of Voice*
Attended Mars Hill Junior College
B.A., Furman University, 1962
B.C.M., Southern Baptist Theological Seminary, 1964
M.C.M., Southern Baptist Theological Seminary, 1965

RENICK H. MCCLELLAN (1965) ..... *Instructor of History*
B.A., Baylor University, 1963
M.A., Vanderbilt University, 1965

CAROL C. OXLEY (1965) ..... *Instructor of Mathematics*
B.S., Union University, 1959
M.S., Vanderbilt, 1960

JERRY R. PERKINS (1965) ..... *Instructor of Piano*
B.M., University of Cincinnati, 1963
M.Mu., University of Cincinnati, 1964

GEORGIA M. ROTH (1965) ..... *Instructor of Business Administration*
B.S., University of Arkansas, 1959
M.B.A., University of Arkansas, 1962

DEBBIE LEE SHAW (1966) ..... *Instructor of Elementary Education*
B.S., George Peabody College, 1927
M.A., Columbia University, 1930
Additional study at Columbia University, Muhlenberg University, New York University, and the InterAmerican University

ELSIE YOUNG SMITH (1962) ..... *Instructor of Biology*
B.S., Union University, 1960
M.A., University of Illinois, 1962

PART-TIME FACULTY

JAMES M. AVENT, JR. (1965) ..... *Instructor of Business Administration*
A.B., University of the South, 1959

NELLE ADAMS LAFON (1960) ..... *Instructor of Business Education*
B.S., Memphis State University, 1937
M.A., Peabody College, 1941

WALTER C. MCRAE (1964) ..... *Instructor of Engineering Drawing*
B.S. in C.E., Tennessee Polytechnic Institute, 1956

GRACE MUELLER (1965) ..... *Instructor of Woodwinds*
B.M., American Conservatory of Music
M.M., American Conservatory of Music
Graduate study Mills College, Columbia University
Pupil of Leo Sowerby and Milhaud Darius

GLENN RAINEY (1961) ..... *Instructor of Business Administration*
A.B., Union University, 1953
M.S., Georgia Institute of Technology, 1955
Additional graduate study, University of Pittsburgh, 1956

D. E. RAY (1962) ..... *Instructor of Education*
A.B., Ruskin Cave College, 1915
B.S., George Peabody College, 1926
M.A., George Peabody College, 1938
Additional graduate study, George Peabody College

ADMINISTRATIVE COUNCIL

President of College, *Chairman*

Vice-President

Executive Vice-President and
Academic Dean

Dean of Students

Dean of Women

Registrar

Business Manager

Librarian

Director of Alumni

Administrative Secretary and
Director of Publicity

ACADEMIC COUNCIL

Executive Vice-President and
Academic Dean, *Chairman*

Chairman, Division of Fine Arts

Chairman, Division of Humanities

Chairman, Division of Natural Science

Chairman, Division of Social Science

FACULTY COMMITTEES

Admissions

Academic Dean, *Chairman*
Dean of Students
Registrar
Spurgeon Boyd
Eldon A. Byrd
W. H. Kimzey, Jr.

Curriculum and Instruction

Ralph Donnell, *Chairman*
Academic Dean
Registrar
Divisional Chairmen

Guidance

Academic Dean, *Chairman*
Director of Testing Service
Registrar
Dean of Women
Dean of Students

Student Aid

Hyran Barefoot, *Chairman*
Business Manager
Academic Dean
Admissions Counselor
Director of Testing Service
Dean of Students

Student Affairs

Dean of Students, *Chairman*
Dean of Women
Faculty Coordinator of B.S.U.
Donald R. Ramage
Grace Williams
Student Body President

Athletics

Charles D. Taylor, *Chairman*
Academic Dean
Business Manager

Director of Athletics
Dean of Students
Ralph Donnell
A. L. Allen
John R. Barber

Discipline
Dean of Students, *Chairman*
Academic Dean
Dean of Women
G. Wayne Brown
William E. Callahan

Library
Eldon A. Byrd, *Chairman*
Elizabeth Etheridge
W. H. Kimzey, Jr.
James A. Pate
Flora Prince
Head Librarian

Honors
Spurgeon Boyd, *Chairman*
Warner Hutchison
Flora Prince
R. H. Ward

Publications
Helen Blythe, *Chairman*
Business Manager
Head of the English Department
Head Librarian
Betty Hillix Foellinger

Social
Dean of Women, *Chairman*
Hostesses of all Dormitories

Lyceum
Dean of Students, *Chairman*
John Hughes
Elsie Smith
Student Representatives

President—Ex-officio member of all standing committees

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Beverly D. Buford, *Secretary*

Executive Committee

David Q. Byrd, *Chairman* William C. Garland, *Vice-Chairman*
James F. Eaves, *Secretary*

Term of Office Expires November, 1966

Beverly D. Buford, *Businessman*
Trenton, Tennessee

James F. Eaves, *Minister*
Memphis, Tennessee

Lewis D. Ferrell, *Minister*
Memphis, Tennessee

Jerry Glisson, *Minister*
Memphis, Tennessee

James H. Logan, *Businessman*
Union City, Tennessee

Brooks McLemore, *Attorney*
Jackson, Tennessee

Robert L. Orr, *Minister*
Dyersburg, Tennessee

Carroll C. Owen, *Minister*
Paris, Tennessee

W. Ramsey Pollard, *Minister*
Memphis, Tennessee

S. Powers Smith, *Businessman*
Henning, Tennessee

James L. Walker, *Educator*
Jackson, Tennessee

Term of Office Expires November, 1967

William C. Bateman, *Attorney*
Memphis, Tennessee

David Q. Byrd, *Minister*
Jackson, Tennessee

Ralph Crockett, *Businessman*
Memphis, Tennessee

Edwin E. Deusner, *Minister*
Lexington, Tennessee

John L. Gilbert, *Minister*
Jackson, Tennessee

John T. Miles, *Educator*
Paris, Tennessee

David R. Nunn, *Businessman*
Halls, Tennessee

Jesse Price, *Businessman*
Somerville, Tennessee

James E. Threlkeld, *Attorney*
Memphis, Tennessee

James M. Thompson, *Engineer*
Memphis, Tennessee

Hobart L. Townsend, *Businessman*
Parsons, Tennessee

Term of Office Expires November, 1968

E. B. Bowen, *Minister*
Memphis, Tennessee

R. Paul Caudill, *Minister*
Memphis, Tennessee

William C. Garland, *Minister*
Humboldt, Tennessee

George B. Jones, *Businessman*
Memphis, Tennessee

Fred Kendall, II, *Minister*
Union City, Tennessee

Jesse Newton, *Minister*
Collierville, Tennessee

Tillman T. Newton, *Minister*
Ridgely, Tennessee

Thomas Patton, Jr., *Businessman*
Jackson, Tennessee

Marvin H. Sandidge, *Businessman*
Memphis, Tennessee

Homer H. Waldrop, *Attorney*
Jackson, Tennessee

William H. Walker, *Farmer*
Brownsville, Tennessee

CANDIDATES FOR GRADUATION 1965

JUNE

Eddie Melvin Ashmore, Plant City, Florida.....*Bachelor of Arts*
James Harrell Austin, Maury City, Tennessee.....*Bachelor of Science*
Annette Lavonne Baker, South Pittsburg, Tennessee.....*Bachelor of Arts*
Barbara D. Beasenburg, Jackson, Tennessee.....*Bachelor of Arts*
Mary Ann Blankenship, Bruceton, Tennessee.....*Bachelor of Arts*
Joe Richard Bobbitt, Jackson, Tennessee.....*Bachelor of Arts*
Jimmy E. Bratcher, Springfield, Tennessee.....*Bachelor of Arts*
Suzanne Atnip Butler, Memphis, Tennessee.....*Bachelor of Science*
Wanda Lee Calhoun, Memphis, Tennessee.....*Bachelor of Science*
Robert George Capra, Jr., Lebanon, Tennessee.....*Bachelor of Music*
David Chan Kai-Ho, Hong Kong, B. C. C. .....*Bachelor of Arts*
Carolyn Jo Coleman, Obion, Tennessee.....*Bachelor of Arts*
Carolyn Faye Coley, Jackson, Tennessee.....*Bachelor of Science*
Nancy Gordon Cowan, Collierville, Tennessee.....*Bachelor of Arts*
Judith Ann Crockett, Big Sandy, Tennessee.....*Bachelor of Science*
Philip Ray Dame, Chaffee, Missouri.....*Bachelor of Science*
Mary Judith Essary, Corinth, Mississippi.....*Bachelor of Science*
Paul M. Fisher, Bemis, Tennessee.....*Bachelor of Science*
Emily Scott Fuller, Memphis, Tennessee.....*Bachelor of Arts*
Suzanne Hubbs Fuqua, Milan, Tennessee.....*Bachelor of Music*
Ted William Fuson, Harrisburg, Illinois.....*Bachelor of Arts*
Donald Eugene Garland, Dyersburg, Tennessee.....*Bachelor of Science*
William Harold Garner, Newbern, Tennessee.....*Bachelor of Arts*
Donald Ray Garrison, Rutherford, Tennessee.....*Bachelor of Arts*
Tommy Eugene Giles, Jackson, Tennessee.....*Bachelor of Science*
Jo Ann Greene, Jackson, Tennessee.....*Bachelor of Science*
Lillian Carrol Hale, Fort Huachuca, Arizona.....*Bachelor of Arts*
Barbara Sue Harp, White Hall, Illinois.....*Bachelor of Arts*
Nickie Charles Harris, Bolivar, Tennessee.....*Bachelor of Arts*
Earl McDonald Harrison, Jr., Memphis, Tennessee.....*Bachelor of Science*
Donald Holland, Bethel Springs, Tennessee.....*Bachelor of Science*
Betty Ann Holley, Huntington, W. Va.....*Bachelor of Science*
Brenda Joyce Horn, Huntingdon, Tennessee.....*Bachelor of Arts*
Ann Young Hudgens, Brownsville, Tennessee.....*Bachelor of Arts*
Virginia Dale Boyd Hudson, Jackson, Tennessee.....*Bachelor of Arts*
Bobby Eugene Hussey, Dyersburg, Tennessee.....*Bachelor of Arts*
Margaret W. Inman, Jackson, Tennessee.....*Bachelor of Arts*
Rudolph G. Inman, Jackson, Tennessee.....*Bachelor of Arts*
Agnes Eugenia Johnson, Moscow, Tennessee.....*Bachelor of Arts*
Lynn Jones, Medina, Tennessee.....*Bachelor of Science*
Ann Babb Keckler, Jackson, Tennessee.....*Bachelor of Arts*
Raymond Talmadge Kelley, Dyersburg, Tennessee.....*Bachelor of Arts*
Edward Anthony Kizer, Jackson, Tennessee.....*Bachelor of Science*
Phoebe Bell Knight, Lafayette, Tennessee.....*Bachelor of Science*
Albert Jerry Kuykendall, Jackson, Tennessee.....*Bachelor of Science*
Donald Brice Leggett, Jackson, Tennessee.....*Bachelor of Science*
Johnny Warren Lott, Leapwood, Tennessee.....*Bachelor of Science*
Shirley Ann McBride, Henry, Tennessee.....*Bachelor of Science*
Linda Sue McDonald, Huntingdon, Tennessee.....*Bachelor of Science*
Linda Joyce McIntosh, Newbern, Tennessee.....*Bachelor of Arts*
Gloria Jeanne McNeer, Memphis, Tennessee.....*Bachelor of Arts*
Dorothy Ann Matthews, Brownsville, Tennessee.....*Bachelor of Arts*
Judy Carolyn Maxwell, Dyer, Tennessee.....*Bachelor of Science*
Sandra Lee Morgan, Jackson, Tennessee.....*Bachelor of Science*
John David Myers, Evansville, Indiana.....*Bachelor of Arts*
Edward Taylor Newton, III, Madison, Georgia.....*Bachelor of Arts*
Linda Joyce Patterson, Bells, Tennessee.....*Bachelor of Arts*

Janetta Petkus, Worcester, Massachusetts.....*Bachelor of Music*
David Charles Pflasterer, Elsberry, Missouri.....*Bachelor of Science*
Nelda Kaye Phillips, Dyersburg, Tennessee.....*Bachelor of Science*
Charles E. Pitchford, Paducah, Kentucky.....*Bachelor of Arts*
Peggy Varden Pitt, Nashville, Tennessee.....*Bachelor of Arts*
Charles E. Province, Jr., Jackson, Tennessee.....*Bachelor of Science*
Robert R. Quint, Metropolis, Illinois.....*Bachelor of Science*
Robert Charles Rednour, Wayne, Michigan.....*Bachelor of Music*
Maidel English Richard, Ramer, Tennessee.....*Bachelor of Arts*
Barbara Janette Richardson, Burlison, Tennessee.....*Bachelor of Arts*
Jiles Edwin Riherd, Franklin, Tennessee.....*Bachelor of Arts*
Mary Jayne Roberson, Sikeston, Missouri.....*Bachelor of Arts*
Joe Leonard Robertson, Humboldt, Tennessee.....*Bachelor of Science*
Carlos Enrique Rodriguez Mendoza, Lima, Peru.....*Bachelor of Arts*
Bobby Wayne Rose, Bradford, Tennessee.....*Bachelor of Arts*
David Sims Rowland, Memphis, Tennessee.....*Bachelor of Arts*
Melinda Ruth Russell, Jackson, Tennessee.....*Bachelor of Arts*
Glen Wayne Schaefer, Jackson, Tennessee.....*Bachelor of Arts*
Charles Maitland Seward, Jr., Jackson, Tennessee.....*Bachelor of Arts*
Norman Eugene Shepard, Sikeston, Missouri.....*Bachelor of Arts*
Jerald Ervin Smith, Bolivar, Tennessee.....*Bachelor of Arts*
Thomas Franklin Smith, Sturgis, Kentucky.....*Bachelor of Arts*
Martha Lynne Stallings, Halls, Tennessee.....*Bachelor of Arts*
Arvie Browning Stanford, Jackson, Tennessee.....*Bachelor of Science*
David Lewis Steed, Jackson, Tennessee.....*Bachelor of Science*
Virgil Pafford Stewart, Jr., Athens, Tennessee.....*Bachelor of Science*
Tommy Von Tapp, Ripley, Mississippi.....*Bachelor of Science*
Linda Sullivan Taylor, Bells, Tennessee.....*Bachelor of Science*
Donna Lynne Thompson, Lilbourn, Misssouri.....*Bachelor of Music*
Sandra Elaine Twilla, Dyersburg, Tennessee.....*Bachelor of Arts*
Nancy Ann Upchurch, Buchanan, Tennessee.....*Bachelor of Arts*
Donald Glynn Waller, Spring Creek, Tennessee.....*Bachelor of Science*
Billy Lee Watson, Jackson, Tennessee.....*Bachelor of Music*
Nina Faye Weaver, Henderson, Tennessee.....*Bachelor of Science*
Bonnie Lou Wood, Jackson, Tennessee.....*Bachelor of Arts*
Nancy Elizabeth Wray, Jackson, Tennessee.....*Bachelor of Arts*
Rebecca Louise Ellis, Humboldt, Tennessee.....*Associate of Arts in Nursing*
Dianne Latham Hatch, Jackson, Tennessee.....*Associate of Arts in Nursing*
Marie Evans King, Memphis, Tennessee.....*Associate of Arts in Nursing*
Marelle Latham McNatt, Jackson, Tennessee.....*Associate of Arts in Nursing*
Joyce Anne Medlock, Paris, Tennessee.....*Associate of Arts in Nursing*
Susan Jo Robyn, Humboldt, Tennessee.....*Associate of Arts in Nursing*
Nancie Jane Scudder, Union City, Tennessee.....*Associate of Arts in Nursing*
Rebecca Jean Wolfe, Selmer, Tennessee.....*Associate of Arts in Nursing*

AUGUST

Elizabeth Jane Anderson, Gillespie, Illinois.....*Bachelor of Arts*
Joyce Cannon Avery, Halls, Tennessee.....*Bachelor of Arts*
Linda Lou Bennett, Jackson, Tennessee.....*Bachelor of Science*
Wayne Leonard Bates, Jackson, Tennessee.....*Bachelor of Arts*
Robert Lane Burkhead, Jackson, Tennessee.....*Bachelor of Science*
Thomas Lee Clay, St. Louis, Missouri.....*Bachelor of Arts*
Sherman Michael Cox, Tupelo Mississippi.....*Bachelor of Arts*
Eva Marie Crouch, Jackson, Tennessee.....*Bachelor of Science*
Carol Sue Curry, Jackson, Tennessee.....*Bachelor of Science*
Robert Dewitt Dalton, III, Jackson, Tennessee.....*Bachelor of Arts*
Ruth Anne Thorne Dame, Bruceton, Tennessee.....*Bachelor of Arts*
Sarah Baker Dugger, Parsons, Tennessee.....*Bachelor of Music*
Donald Lee Finch, Union City, Tennessee.....*Bachelor of Science*
Vicky Sue Foote, Bemis, Tennessee.....*Bachelor of Arts*
Patricia Anne Goad, Jackson, Tennessee.....*Bachelor of Music*

Francis Henry Hall, Medon, Tennessee.....*Bachelor of Science*
Ida Mae Hays, West Plains, Missouri.....*Bachelor of Arts*
James Timothy Hopper, Jackson, Tennessee.....*Bachelor of Science*
Harold Keith Hostler, Lake Alfred, Florida.....*Bachelor of Science*
Sandra J. Houston, Kenton, Tennessee.....*Bachelor of Arts*
Sylvia A. Johns, Jackson, Tennessee .....*Bachelor of Arts*
Barbara Strain Jones, Dyersburg, Tennessee.....*Bachelor of Arts*
James Bryant Jones, Jr., Jackson, Tenneseee.....*Bachelor of Science*
John Joseph McDonald, II, Sarasota, Florida.....*Bachelor of Science*
Brint Mallard, Milan, Tennessee .....*Bachelor of Science*
Raybon E. Moore, Finger, Tennessee.....*Bachelor of Science*
Linda Elaine Pruette, Malesus, Tennessee.....*Bachelor of Music*
James Gilbert Sikes, Jr., Jackson, Tennessee.....*Bachelor of Science*
Charles Edwin Smith, Booneville, Mississippi.....*Bachelor of Arts*
Syndey Lynn Smith, Jackson, Tennessee.....*Bachelor of Arts*
Dicie Eulene Wells Smothers, Nocatee, Florida.....*Bachelor of Science*
Sandra Kay Spitzer, Jackson, Tennessee.....*Bachelor of Science*
Vera Mae Thomas, Brownsville, Tennessee.....*Bachelor of Arts*
Richard Larry Williams, Bemis, Tennessee.....*Bachelor of Science*
Jerry Weldon Willis, Pocahontas, Tennessee.....*Bachelor of Arts*
Joseph A. Wright, Shawneetown, Illinois.....*Bachelor of Science*
Mary Beth Yates, Bartlett, Tennessee.....*Bachelor of Science*
Patricia Ann Coulston, Mason, Tennessee.....*Associate of Arts in Nursing*
Ola Frances Howell, Jackson, Tennessee.....*Associate of Arts in Nursing*

ACCUMULATIVE ENROLLMENT 1965-1966

	Men	*Women*	*Total*
Freshmen	200	179	379
Sophomores	149	115	264
Juniors	79	65	144
Seniors	69	55	124
Specials	24	37	61
Audits	1	13	14
Extension	40	47	87
Summer '65	44	53	97*
	606	564	1,170

*Did not enroll in either fall or spring semester.

APPLICATION FOR ADMISSION TO UNION UNIVERSITY

Name (Mr. / Mrs. / Miss) _____
(First) (Middle) (Last)

Home Telephone No. _____

Permanent Address _____
(Street or Rural Route) (City) (County) (State) (Zip Code)

Date of birth _____ Place of birth _____
(Month, Year, Day) (City) (State)

Race _____ Married or single? _____

Church membership _____ or preference _____

Father's name _____ Living? _____

Mother's name _____ Living? _____

Legal Guardian, if not father _____

Occupation of father or guardian _____

Graduate of _____ High School

Located at _____ Year _____

Rank and Class _____

Have you attended college? _____ Where? _____
(Yes or No)

Give dates of college attendance _____

When do you plan to attend Union _____

Course of study, if known _____ Vocational interest _____

CHECK EXTRA-CURRICULAR ACTIVITIES IN WHICH YOU WOULD LIKE TO PARTICIPATE:

ATHLETICS _____ DRAMATICS _____ YOUNG WOMEN'S AUXILIARY _____

BAND _____ FRATERNITY _____ BAPTIST STUDENT UNION _____

OR

CHORUS _____ SORORITY _____ MINISTERIAL ASSOCIATION _____

LIFE SERVICE BAND _____

I ENCLOSE $25.00 FOR APPLICATION FEE..... ( )

I ENCLOSE $25.00 FOR ROOM RESERVATION..... ( )

I DO NOT PLAN TO LIVE ON CAMPUS..... ( )

One half of deposits ($12.50 or $25.00) will be refunded if your request for cancellation of room reservation and/or application is made prior to August 1. Total amount will be refunded only if you are not accepted for admission.

I will ask the principal of the high school from which I graduated (or registrar of college attended) to send a copy of my record to the Registrar of Union University. I understand that I cannot be formally accepted for admission until the transcript of my credits has been received and approved. I will also request that a copy of my ACT scores be sent to Union University and will furnish you with one letter of recommendation.

(Signature of Applicant) _____

_____
Date

This application should be addressed to

OFFICE OF REGISTRAR
Union University
Jackson, Tennessee

UNION UNIVERSITY *Bulletin*

CATALOG EDITION

1966 1967